Supplemental information

Contents

Supplementary Table S1. Proteins identified after comparing the proteome of human skin fibroblasts from an 8-year-old male HGPS patient (AG06297) versus cells from an 8-year-old male healthy control (GM08398).

Accession Number (gi)	Protein Name	SILAC ratio	logFC	RSD (we)	RSD (be)	Mascot Score	Mw (Da)	Number of peptides	Isoelectric point
4504301	histone cluster 1, H4a [Homo sapiens	**13,951**	**3,802**	19,315	....	143	11360	7	11.36
5453543	aldo-keto reductase family 1, member C1 [Homo sapien	**7,137**	**2,835**	17,182	9,2933517	635	36765	15	8.02
4505467	5' nucleotidase, ecto [Homo sapiens	**6,359**	**2,669**	19,260	....	526	63327	23	6.58
4504245	histone cluster 1, H2ac [Homo sapiens	**5,793**	**2,534**	18,332	2,1254495	121	14097	4	11.05
117189975	heterogeneous nuclear ribonucleoprotein C isoform a [Homo sapien	**5,754**	**2,525**	9,349	2,0930881	407	33650	16	4.95
4505415	NAD(P)H menadione oxidoreductase 1, dioxin-inducible isoform a [Homo sapier	**5,721**	**2,516**	0,210	3,6686881	1968	30848	14	8.91
6681764	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa [Homo sapier	**5,664**	**2,502**	19,949	....	96	42483	11	9.81
31621303	sideroflexin 3 [Homo sapiens	**5,287**	**2,402**	17,128	....	285	35956	11	9.25
6005854	prohibitin 2 isoform 2 [Homo sapiens	**5,020**	**2,328**	2,566	0,3031022	508	33276	15	9.83
27436946	lamin A/C isoform 1 precursor [Homo sapiens	**4,839**	**2,275**	18,199	12,458565	2288	74095	50	6.57
42476281	voltage-dependent anion channel 2 [Homo sapien	**4,790**	**2,260**	0,618	....	66	31547	4	7.49
55743098	alpha 3 type VI collagen isoform 1 precursor [Homo sapien	**4,705**	**2,234**	11,002	17,379812	211	343457	43	6.26
7657347	mitochondrial carrier 2 [Homo sapiens	**4,626**	**2,210**	12,849	....	128	33309	4	8.25
34740329	heterogeneous nuclear ribonucleoprotein A3 [Homo sapien	**4,577**	**2,194**	5,055	....	570	39571	10	9.10
7705618	mitochondrial ribosomal protein L11 isoform a [Homo sapien	**4,454**	**2,155**	9,855	....	91	20670	7	9.91
17981856	cytochrome c oxidase subunit II [Homo sapiens	**4,440**	**2,150**	3,740	....	69	25548	3	4.67
16751921	dermcidin preproprotein [Homo sapiens	**4,427**	**2,146**	1,573	....	62	11277	2	6.08
4757834	BCL2-associated athanogene 2 [Homo sapiens	**4,334**	**2,116**	19,354	....	142	23757	12	6.25
14141152	heterogeneous nuclear ribonucleoprotein M isoform a [Homo sapien	**4,132**	**2,047**	14,071	....	167	77464	38	8.84
4506625	ribosomal protein L27a [Homo sapiens	**3,871**	**1,953**	4,719	....	69	16551	4	11.00
15726300	membrane alanine aminopeptidase precursor [Homo sapier	**3,787**	**1,921**	19,478	....	1335	109471	30	5.31
28178832	isocitrate dehydrogenase 2 (NADP+), mitochondrial precursor [Homo sapien	**3,678**	**1,879**	4,238	....	147	50877	11	8.88
21361565	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit B1 precursor [Homo sapier	**3,645**	**1,866**	15,217	16,523041	577	28890	13	9.37
156766050	AHNAK nucleoprotein 2 [Homo sapiens	**3,588**	**1,843**	13,467	....	256	616242	73	5.20
23308577	phosphoglycerate dehydrogenase [Homo sapien:	**3,561**	**1,832**	11,522	....	327	56614	14	6.29
18104948	ribosomal protein L21 [Homo sapiens	**3,514**	**1,813**	17,127	....	392	18553	7	10.49
13904870	ribosomal protein S5 [Homo sapiens	**3,512**	**1,812**	9,786	14,345127	638	22862	12	9.73
223555975	tropomyosin 4 isoform 1 [Homo sapiens	**3,454**	**1,788**	8,359	....	634	32703	27	4.69
4504425	high-mobility group box 1 [Homo sapien:	**3,387**	**1,760**	16,004	19,551529	348	24878	7	5.62
5031875	lamin A/C isoform 2 [Homo sapiens	**3,383**	**1,758**	8,905	....	394	65096	18	6.40
24797097	pyrroline-5-carboxylate reductase 1 isoform 1 [Homo sapien	**3,378**	**1,756**	6,922	....	146	33340	6	7.18
41322923	plectin 1 isoform 11 [Homo sapiens	**3,370**	**1,753**	19,585	....	3630	515884	215	5.64
4503151	cathepsin K preproprotein [Homo sapiens	**3,336**	**1,738**	2,725	....	1423	36942	5	8.72
4758018	calponin 2 isoform a [Homo sapiens	**3,248**	**1,700**	19,539	....	68	33675	3	6.95
15826840	PTK7 protein tyrosine kinase 7 isoform a precursor [Homo sapien	**3,216**	**1,685**	5,280	....	76	118317	14	6.67
4507879	voltage-dependent anion channel 1 [Homo sapien:	**3,186**	**1,672**	15,917	....	999	30754	16	8.62
1715044	ribosomal protein S6 [Homo sapiens	**3,172**	**1,665**	6,521	4,9367952	281	28663	13	10.85
19923362	Thy-1 cell surface antigen preproprotein [Homo sapien:	**3,157**	**1,659**	3,269	....	138	17923	2	8.96
153070260	myristoylated alanine-rich protein kinase C substrate [Homo sapien	**3,142**	**1,652**	12,193	....	290	31536	6	4.47
47607492	plectin 1 isoform 1 [Homo sapiens	**3,067**	**1,617**	18,889	....	2264	518157	160	5.60
4503509	eukaryotic translation initiation factor 3, subunit 10 theta, 150/170kDa [Homo sapien	**3,028**	**1,599**	14,529	....	341	166468	46	6.38
169404009	signal sequence receptor, alpha [Homo sapien:	**2,987**	**1,579**	7,989	....	197	32215	3	4.39
6912634	ribosomal protein L13a [Homo sapiens	**2,983**	**1,577**	5,043	....	43	23562	4	10.94
15431295	ribosomal protein L13 [Homo sapiens	**2,977**	**1,574**	16,734	....	427	24247	9	11.65
4503285	aldo-keto reductase family 1, member C2 [Homo sapien	**2,954**	**1,562**	4,174	....	439	36712	13	7.13
70995211	peroxisomal enoyl-coenzyme A hydratase-like protein [Homo sapier	**2,938**	**1,555**	4,926	17,39213	929	35793	12	8.16
16933542	fibronectin 1 isoform 3 preproprotein [Homo sapien:	**2,930**	**1,551**	18,989	....	426	259063	21	5.49
4506617	ribosomal protein L17 [Homo sapiens	**2,928**	**1,550**	15,153	4,8734277	527	21383	8	10.18
4507943	exportin 1 [Homo sapiens	**2,909**	**1,540**	17,459	....	364	123306	20	5.71
4503155	cathepsin L1 preproprotein [Homo sapiens	**2,891**	**1,531**	19,614	....	206	37540	6	5.31
4885079	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma subunit isoform H (heart) precursor [	**2,883**	**1,527**	2,485	....	162	32860	15	9.31
4507813	UDP-glucose dehydrogenase [Homo sapiens	**2,839**	**1,505**	17,436	9,7297862	472	54989	14	6.73
1710394	ribosomal protein L23a [Homo sapiens	**2,815**	**1,493**	16,506	4,0694269	288	17684	8	10.44
4502303	mitochondrial ATP synthase, O subunit precursor [Homo sapien:	**2,796**	**1,483**	9,282	9,6389203	339	23263	11	9.97
110349772	alpha 1 type I collagen preproprotein [Homo sapien	**2,769**	**1,469**	18,346	3,976412	370	138827	31	5.60
28626510	reticulocalbin 3, EF-hand calcium binding domain [Homo sapien	**2,737**	**1,453**	17,915	10,780951	272	37470	5	4.74
5453601	cartilage associated protein precursor [Homo sapien	**2,707**	**1,436**	16,889	....	206	46532	8	5.50
4506661	ribosomal protein L7a [Homo sapiens	**2,704**	**1,435**	8,134	17,197753	581	29977	13	10.61
4504437	heme oxygenase (decyclizing) 1 [Homo sapiens	**2,690**	**1,428**	14,863	17,282402	504	32798	13	7.88
4885409	high density lipoprotein binding protein [Homo sapien	**2,652**	**1,407**	19,312	....	709	141352	49	6.43
31621305	leucine-rich PPR motif-containing protein [Homo sapiens	**2,650**	**1,406**	4,097	....	581	157805	29	5.81
21389433	heat shock protein, alpha-crystallin-related, B6 [Homo sapien	**2,604**	**1,381**	7,142	....	146	17125	5	5.95
19923748	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate complex) [Homo sapie	**2,600**	**1,379**	5,799	3,4448973	222	48724	5	9.11
50845388	annexin A2 isoform 1 [Homo sapiens	**2,579**	**1,367**	19,783	16,027155	5158	40386	35	8.53
4506723	ribosomal protein S3a [Homo sapiens	**2,563**	**1,358**	19,347	14,335989	375	29926	20	9.75
5453559	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d isoform a [Homo sapier	**2,554**	**1,353**	16,085	6,1619578	535	18480	10	5.21
15431293	ribosomal protein L15 [Homo sapiens	**2,513**	**1,329**	0,023	10,005164	243	24131	9	11.62
115527062	alpha 2 type VI collagen isoform 2C2 precursor [Homo sapien	**2,499**	**1,321**	12,770	16,423874	80	108512	18	5.85
4506787	IQ motif containing GTPase activating protein 1 [Homo sapien	**2,477**	**1,308**	1,309	19,236696	1958	189134	58	6.08
4757810	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit precursor [Homo sapie	**2,454**	**1,295**	17,655	....	847	59714	20	9.16
223890243	ribosomal protein L10 [Homo sapiens	**2,452**	**1,294**	19,768	0,6672304	653	24588	7	10.11
15055539	ribosomal protein S2 [Homo sapiens	**2,430**	**1,281**	19,917	8,4388353	883	31305	14	10.25
5453880	acidic (leucine-rich) nuclear phosphoprotein 32 family, member A [Homo sapier	**2,411**	**1,270**	6,464	....	137	28568	9	3.99
20070197	dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor [Homo sapie	**2,378**	**1,250**	18,009	....	597	50670	15	5.96
50592994	thioredoxin [Homo sapiens	**2,376**	**1,248**	12,252	9,2444228	47	11730	3	4.82
7019485	programmed cell death 6 [Homo sapien:	**2,369**	**1,244**	15,194	....	282	21855	6	5.16
29789373	hypothetical protein LOC92689 [Homo sapiens	**2,353**	**1,234**	12,829	8,0794201	282	60787	14	4.63
24797067	major histocompatibility complex, class I, A precursor [Homo sapier	**2,336**	**1,224**	11,431	....	126	40815	7	5.66
19920317	cytoskeleton-associated protein 4 [Homo sapien:	**2,333**	**1,222**	19,984	4,0681785	2823	65983	35	5.63
87196339	collagen, type VI, alpha 1 precursor [Homo sapien:	**2,317**	**1,212**	17,277	15,463841	489	108462	16	5.26
4506901	splicing factor, arginine/serine-rich 3 [Homo sapien:	**2,305**	**1,205**	19,588	....	90	19318	7	11.64
48762934	alpha 2 type I collagen [Homo sapiens	**2,302**	**1,203**	19,970	6,8368661	488	129235	25	9.08
62414289	vimentin [Homo sapiens	**2,281**	**1,189**	19,510	4,4496513	1260	53619	37	5.06
4506725	ribosomal protein S4, X-linked X isoform [Homo sapien	**2,275**	**1,186**	14,640	6,4971401	584	29579	14	10.16
4712587	protein kinase C, delta binding protein [Homo sapien	**2,275**	**1,186**	15,255	....	257	27685	8	6.05
24307969	cytoplasmic FMR1 interacting protein 1 isoform a [Homo sapien	**2,271**	**1,183**	7,145	....	147	145089	29	6.46
21396489	mitochondrial lon peptidase 1 [Homo sapien:	**2,266**	**1,180**	9,724	....	248	106422	24	6.01
4885425	v-Ha-ras Harvey rat sarcoma viral oncogene homolog isoform 1 [Homo sapier	**2,265**	**1,179**	19,090	....	152	21285	8	5.16
4506713	ubiquitin and ribosomal protein S27a precursor [Homo sapien	**2,259**	**1,176**	8,067	....	400	17953	6	9.68
7305503	stomatin (EPB72)-like 2 [Homo sapiens	**2,259**	**1,175**	17,954	....	228	38510	5	6.88
4506607	ribosomal protein L18 [Homo sapiens	**2,257**	**1,175**	0,734	6,0314119	1000	21621	10	11.73
8922699	CNDP dipeptidase 2 [Homo sapiens	**2,252**	**1,171**	8,105	....	328	52746	19	5.58
61743954	AHNAK nucleoprotein isoform 1 [Homo sapiens	**2,248**	**1,169**	18,552	9,2694454	3062	628699	184	5.80
14141193	ribosomal protein S9 [Homo sapiens	**2,225**	**1,154**	11,273	19,015823	345	22578	16	10.66
4502209	ADP-ribosylation factor 5 [Homo sapiens	**2,221**	**1,151**	18,580	....	979	20517	12	6.30
29171736	phosphatidic acid phosphatase type 2A isoform 1 [Homo sapien	**2,211**	**1,145**	15,708	....	401	32135	2	8.10
4506663	ribosomal protein L8 [Homo sapiens	**2,205**	**1,141**	17,465	1,8975587	397	28007	13	11.03
11559923	eukaryotic translation initiation factor 4H isoform 1 [Homo sapien	**2,195**	**1,135**	7,975	....	270	27368	12	6.67
16753227	ribosomal protein L6 [Homo sapiens	**2,189**	**1,130**	6,382	16,013227	1120	32708	17	10.59
14165435	heterogeneous nuclear ribonucleoprotein K isoform b [Homo sapier	**2,180**	**1,125**	13,405	17,387913	211	50944	16	5.39
6005721	ER lipid raft associated 2 isoform 1 [Homo sapien:	**2,180**	**1,125**	16,197	....	350	37815	11	5.47
4506699	ribosomal protein S21 [Homo sapiens	**2,179**	**1,124**	16,033	....	142	9106	3	8.68
5902076	splicing factor, arginine/serine-rich 1 isoform 1 [Homo sapien	**2,178**	**1,123**	17,832	....	69	27728	9	10.37
4758208	dual specificity phosphatase 3 [Homo sapien:	**2,172**	**1,119**	18,560	....	399	20465	9	7.66
16579885	ribosomal protein L4 [Homo sapiens	**2,167**	**1,116**	4,386	19,264566	348	47667	18	11.07
18765694	dipeptidylpeptidase IV [Homo sapien:	**2,165**	**1,114**	15,584	....	340	88222	14	5.67
4506741	ribosomal protein S7 [Homo sapiens	**2,156**	**1,108**	19,888	7,7378625	581	22113	9	10.09
66346721	mitochondrial phosphoenolpyruvate carboxykinase 2 isoform 1 precursor [Homo sapie	**2,149**	**1,104**	15,677	13,162268	432	70685	14	7.57
24234747	interleukin enhancer binding factor 2 [Homo sapien:	**2,136**	**1,095**	8,380	....	284	43035	7	5.19
24233517	IKK interacting protein isoform 1 [Homo sapiens	**2,133**	**1,093**	8,211	....	427	43057	16	4.86
4506685	ribosomal protein S13 [Homo sapiens	**2,127**	**1,089**	4,936	11,479289	264	17212	6	10.53
4504445	heterogeneous nuclear ribonucleoprotein A1 isoform a [Homo sapier	**2,123**	**1,086**	19,196	....	904	34175	10	9.27
15431303	ribosomal protein L9 [Homo sapiens	**2,123**	**1,086**	14,344	1,0961462	745	21850	11	9.96
42491362	IKK interacting protein isoform 2 [Homo sapiens	**2,122**	**1,085**	7,316	....	258	39285	15	9.21
33469985	FK506 binding protein 9 [Homo sapiens	**2,116**	**1,082**	19,959	....	130	63044	12	4.91
5174447	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 [Homo sapie	**2,108**	**1,076**	19,860	3,1624548	890	35055	12	7.60
78000181	ribosomal protein L14 [Homo sapiens	**2,102**	**1,072**	17,233	11,03766	512	23417	7	10.94
4506407	RAN binding protein 1 [Homo sapiens	**2,080**	**1,056**	16,415	....	130	23296	6	5.19
15431288	ribosomal protein L10a [Homo sapiens	**2,076**	**1,054**	14,128	11,388413	518	24816	11	9.94
4506707	ribosomal protein S25 [Homo sapiens	**2,075**	**1,053**	8,198	7,0569687	178	13734	4	10.12
4506743	ribosomal protein S8 [Homo sapiens	**2,068**	**1,048**	19,110	14,234929	651	24190	10	10.32
4503525	eukaryotic translation initiation factor 3, subunit C [Homo sapien	**2,064**	**1,045**	11,576	....	114	105278	17	5.48
119395729	cathepsin A isoform a precursor [Homo sapiens	**2,063**	**1,045**	0,723	....	295	56197	5	6.17
4506695	ribosomal protein S19 [Homo sapiens	**2,062**	**1,044**	17,829	5,2926425	181	16051	11	10.31
15431290	ribosomal protein L11 [Homo sapiens	**2,058**	**1,041**	2,849	....	353	20240	5	9.64
4506679	ribosomal protein S10 [Homo sapiens	**2,052**	**1,037**	18,791	10,311244	263	18886	9	10.15
4506649	ribosomal protein L3 isoform a [Homo sapien	**2,049**	**1,035**	4,171	....	150	46080	6	10.19
109148542	alanyl-tRNA synthetase [Homo sapiens	**2,029**	**1,021**	11,217	5,0783465	446	106743	18	5.34
17402893	phosphoserine aminotransferase 1 isoform 1 [Homo sapien	**2,013**	**1,010**	10,416	4,5561654	764	40397	19	7.56
4826686	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1 [Homo sapien:	**2,012**	**1,008**	9,239	....	136	82380	21	6.81
13236587	transmembrane protein 43 [Homo sapiens	**2,011**	**1,008**	19,079	2,5878512	531	44847	16	7.86
21361462	EH-domain containing 2 [Homo sapiens	**2,008**	**1,006**	12,198	15,755536	1142	61123	32	6.03
4502285	ATPase, Ca++ transporting, slow twitch 2 isoform 2 [Homo sapien	**2,002**	**1,001**	2,227	....	114	109620	20	5.26
11415026	ribosomal protein L18a [Homo sapiens	**1,997**	**0,998**	16,650	6,9244527	53	20749	8	10.73
55749490	syntenin isoform 1 [Homo sapiens	**1,982**	**0,987**	7,962	3,950969	834	32424	7	7.05
14591909	ribosomal protein L5 [Homo sapiens	**1,975**	**0,982**	12,601	5,9108439	253	34341	12	9.73
5803187	transaldolase 1 [Homo sapiens	**1,969**	**0,977**	18,411	17,464557	844	37516	24	6.36
48255935	CD44 antigen isoform 1 precursor [Homo sapiens	**1,959**	**0,970**	6,909	5,7839123	311	81487	8	5.13
32454741	serine (or cysteine) proteinase inhibitor, clade H, member 1 precursor [Homo sapier	**1,956**	**0,968**	19,699	3,5424764	5072	46411	27	8.75
157168362	nucleoside phosphorylase [Homo sapiens	**1,953**	**0,965**	10,062	....	247	32097	13	6.45
24497620	signal recognition particle 68kDa [Homo sapiens	**1,949**	**0,963**	13,386	....	93	70686	13	8.75
23065552	glutathione S-transferase mu 3 [Homo sapien:	**1,932**	**0,950**	17,511	18,869252	908	26542	11	5.37
4506609	ribosomal protein L19 [Homo sapiens	**1,928**	**0,947**	19,727	11,451056	421	23451	12	11.48
41152086	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6 [Homo sapie	**1,923**	**0,943**	15,828	....	733	42594	16	5.18
7705704	glutathione S-transferase kappa 1 isoform a [Homo sapien	**1,916**	**0,938**	13,953	4,5668741	647	25480	9	8.50

115430223	galectin 3 [Homo sapiens	**1,915**	**0,937**	19,286	17,244689	757	26136	7	8.57
26667180	calcium/calmodulin-dependent protein kinase II delta isoform 3 [Homo sapie	**1,912**	**0,935**	18,826	14,478932	249	56334	7	6.82
15431288	ribosomal protein L10a [Homo sapiens	**1,909**	**0,933**	16,137	....	355	24816	12	9.94
52485853	integrin, alpha 11 precursor [Homo sapiens	**1,908**	**0,932**	13,988	....	122	133386	13	6.24
7657441	PDGFA associated protein 1 [Homo sapiens	**1,898**	**0,925**	2,453	....	181	20618	7	8.84
71565154	class III alcohol dehydrogenase, chi subunit [Homo sapien	**1,897**	**0,924**	0,133	8,6614374	24	39698	7	7.45
5174735	tubulin, beta, 2 [Homo sapiens	**1,890**	**0,919**	18,976	6,5230353	10395	49799	23	4.79
21361368	pyrroline-5-carboxylate synthetase isoform 1 [Homo sapien	**1,885**	**0,915**	18,298	....	286	87248	20	6.66
32189394	mitochondrial ATP synthase beta subunit precursor [Homo sapien	**1,883**	**0,913**	15,101	2,7277226	3132	56525	27	5.26
4502105	annexin IV [Homo sapiens	**1,875**	**0,907**	13,862	1,6848842	1656	36062	25	5.84
13027378	glucosamine-6-phosphate deaminase 1 [Homo sapien	**1,863**	**0,898**	15,066	19,577031	482	32648	14	6.42
9845502	ribosomal protein SA [Homo sapiens	**1,859**	**0,895**	17,788	18,38469	959	32833	12	4.79
28178825	isocitrate dehydrogenase 1 (NADP+), soluble [Homo sapien	**1,854**	**0,891**	2,235	....	151	46630	8	6.53
40353734	nucleophosmin 1 isoform 2 [Homo sapiens	**1,853**	**0,890**	7,900	....	498	29446	12	4.47
30240932	EH-domain containing 1 [Homo sapiens	**1,845**	**0,883**	15,963	....	432	60589	21	6.35
40805868	tumor protein D52-like 2 isoform c [Homo sapiens	**1,845**	**0,883**	17,622	15,725704	562	23772	12	5.54
15431301	ribosomal protein L7 [Homo sapiens	**1,831**	**0,873**	16,115	3,4588952	338	29207	15	10.66
4502419	biliverdin reductase B (flavin reductase (NADPH)) [Homo sapiens	**1,821**	**0,865**	15,090	15,407087	758	22105	6	7.13
10190714	RAS-related protein RAB-22A [Homo sapiens	**1,809**	**0,855**	10,800	....	110	21841	8	8.32
222352151	poly(rC) binding protein 1 [Homo sapiens	**1,809**	**0,855**	3,598	3,6881548	273	37474	9	6.66
94721252	vesicle-associated membrane protein-associated protein A isoform 2 [Homo sapie	**1,804**	**0,852**	14,646	11,593687	270	27875	11	8.80
4501853	acetyl-Coenzyme A acyltransferase 1 isoform a [Homo sapien	**1,799**	**0,848**	13,559	....	583	44264	13	8.76
4826878	oxidative-stress responsive 1 [Homo sapiens]	**1,797**	**0,846**	19,157	....	148	57986	10	6.03
15011936	ribosomal protein S26 [Homo sapiens]	**1,796**	**0,845**	12,267	....	86	13007	6	11.01
4507951	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta polypeptide [Homo sap	**1,792**	**0,842**	15,679	....	992	28201	17	4.76
42734430	polymerase I and transcript release factor [Homo sapien	**1,791**	**0,841**	19,363	2,6484219	3259	43450	13	5.51
4506605	ribosomal protein L23 [Homo sapiens	**1,783**	**0,834**	8,262	....	218	14856	5	10.51
4506667	ribosomal protein P0 [Homo sapiens	**1,763**	**0,818**	14,763	17,3671	403	34252	9	5.71
5453990	proteasome activator subunit 1 isoform 1 [Homo sapien	**1,740**	**0,799**	18,683	15,189472	401	28705	17	5.78
15718687	ribosomal protein S3 [Homo sapiens	**1,738**	**0,798**	11,944	4,236635	609	26671	17	9.68
14043072	heterogeneous nuclear ribonucleoprotein A2/B1 isoform B1 [Homo sapien	**1,737**	**0,797**	19,166	1,3960037	1860	37407	20	8.97
21361399	alpha isoform of regulatory subunit A, protein phosphatase 2 [Homo sapier	**1,723**	**0,785**	11,858	12,478124	128	65267	12	5.00
4503727	FK506 binding protein 3, 25kDa [Homo sapiens	**1,721**	**0,783**	18,227	15,080135	147	25161	7	9.29
4506919	N-sulfoglucosamine sulfohydrolase precursor [Homo sapiens	**1,719**	**0,782**	5,922	....	191	56659	10	6.46
4504981	galectin-1 [Homo sapiens	**1,719**	**0,782**	10,220	....	8114	14706	6	5.34
7706337	coatomer protein complex, subunit zeta 1 [Homo sapien	**1,712**	**0,776**	11,780	....	274	20185	5	4.69
11345462	signal peptidase complex subunit 3 [Homo sapien	**1,710**	**0,774**	3,013	0,8673878	125	20301	4	8.67
4507947	tyrosyl-tRNA synthetase [Homo sapiens	**1,709**	**0,773**	12,835	....	206	59106	26	6.61
7661714	family with sequence similarity 3, member C precursor [Homo sapier	**1,706**	**0,770**	12,713	2,1092174	525	24665	7	8.52
110611218	ribosome binding protein 1 [Homo sapiens	**1,699**	**0,765**	18,988	2,2533901	561	108589	34	5.45
5729991	proteasome 26S ATPase subunit 4 isoform 1 [Homo sapiens	**1,688**	**0,755**	10,077	....	424	47337	16	5.09
7705813	ribosomal protein L26-like 1 [Homo sapiens	**1,683**	**0,751**	14,846	....	141	17246	10	10.55
4507357	transgelin 2 [Homo sapiens	**1,681**	**0,749**	13,221	9,6730102	4263	22377	12	8.41
19923315	serine hydroxymethyltransferase 2 (mitochondrial) [Homo sapien	**1,678**	**0,747**	17,905	....	335	55958	16	8.76
4502565	calpain, small subunit 1 [Homo sapiens	**1,657**	**0,729**	19,683	5,6051676	1957	28298	11	5.05
153945728	microtubule-associated protein 1B [Homo sapiens	**1,656**	**0,727**	19,876	7,3215053	223	270468	28	4.73
4504981	galectin-1 [Homo sapiens	**1,655**	**0,727**	19,580	5,4669162	3745	14706	4	5.34
13569879	acidic (leucine-rich) nuclear phosphoprotein 32 family, member E isoform 1 [Homo sapien	**1,647**	**0,720**	10,287	....	137	30674	5	3.77
126012562	low density lipoprotein-related protein 1 [Homo sapien	**1,636**	**0,710**	18,706	7,7610861	507	504276	35	5.16
124494240	myosin IC isoform c [Homo sapiens	**1,617**	**0,693**	4,687	15,056872	279	117834	14	9.46
4758158	septin 2 [Homo sapiens	**1,617**	**0,693**	15,525	19,382583	793	41461	14	6.15
4506691	ribosomal protein S16 [Homo sapiens	**1,606**	**0,683**	11,438	2,070463	189	16435	11	10.21
110624774	mannose receptor, C type 2 [Homo sapiens	**1,600**	**0,678**	2,141	....	140	166568	9	5.54
5803227	tyrosine 3/tryptophan 5 -monooxygenase activation protein, theta polypeptide [Homo sapie	**1,597**	**0,675**	17,318	6,6126314	1952	27747	18	4.68
170763498	SET translocation (myeloid leukemia-associated) isoform 2 [Homo sapier	**1,592**	**0,671**	18,130	....	140	32084	7	4.12
21269877	cysteinyl-tRNA synthetase isoform a [Homo sapiens	**1,590**	**0,669**	9,505	....	217	82794	12	6.59
224809468	retinoic acid induced 14 isoform a [Homo sapiens	**1,576**	**0,657**	9,164	....	76	109973	27	5.87
4507115	fascin 1 [Homo sapiens	**1,573**	**0,653**	15,133	19,411421	712	54496	20	6.84
4504511	DnaJ (Hsp40) homolog, subfamily A, member 1 [Homo sapien	**1,572**	**0,652**	5,486	....	140	44839	10	6.65
4758868	prolyl 4-hydroxylase, alpha II subunit isoform 1 precursor [Homo sapien	**1,566**	**0,647**	11,161	....	225	60864	12	5.49
13027378	glucosamine-6-phosphate deaminase 1 [Homo sapien	**1,566**	**0,647**	8,975	....	227	32648	9	6.42
33469966	vesicle transport-related protein isoform a [Homo sapien	**1,563**	**0,644**	9,184	....	195	72334	18	5.89
4504041	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 2 [Homo sapie	**1,559**	**0,641**	17,935	....	1301	40425	11	5.34
21536286	brain creatine kinase [Homo sapiens	**1,555**	**0,637**	17,936	....	395	42617	10	5.34
7657649	tropomodulin 3 (ubiquitous) [Homo sapiens	**1,550**	**0,632**	8,687	13,511774	516	39570	17	5.08
62241042	glutamyl-prolyl tRNA synthetase [Homo sapiens	**1,547**	**0,629**	13,222	0,1851182	615	170483	31	7.02
5901922	cell division cycle 37 protein [Homo sapiens	**1,540**	**0,623**	9,746	....	177	44440	12	5.17
8923579	hypothetical protein LOC55004 [Homo sapiens	**1,539**	**0,622**	19,794	12,141141	99	17734	4	5.01
14251209	chloride intracellular channel 1 [Homo sapiens	**1,536**	**0,619**	12,198	3,6935026	855	26906	9	5.09
8922673	parvin, alpha [Homo sapiens	**1,534**	**0,618**	18,190	....	411	42217	14	5.69
19923483	GTPase Rab14 [Homo sapiens	**1,530**	**0,614**	19,255	14,569642	899	23882	12	5.85
11321585	guanine nucleotide-binding protein, beta-1 subunit [Homo sapien	**1,530**	**0,613**	8,227	....	162	37353	7	5.60
21361547	ribonuclease/angiogenin inhibitor [Homo sapiens	**1,529**	**0,612**	17,306	7,6618693	736	49941	10	4.71
4507143	sorting nexin 3 isoform a [Homo sapiens	**1,526**	**0,609**	19,366	....	142	18751	9	8.71
116256327	membrane metallo-endopeptidase [Homo sapien	**1,523**	**0,607**	5,906	4,8544711	494	85460	18	5.54
20149594	heat shock 90kDa protein 1, beta [Homo sapiens	**1,523**	**0,607**	11,534	12,770122	2797	83212	43	4.97
4758762	asparaginyl-tRNA synthetase [Homo sapiens	**1,517**	**0,601**	15,976	....	504	62903	5	5.90
5730023	RuvB-like 2 [Homo sapiens	**1,517**	**0,601**	17,926	....	313	51125	21	5.49
15451856	caveolin 1 [Homo sapiens	**1,515**	**0,600**	16,844	1,920425	665	20458	13	5.65
10835063	nucleophosmin 1 isoform 1 [Homo sapiens	**1,515**	**0,599**	19,111	9,6748423	1068	32555	13	4.64
12025678	actinin, alpha 4 [Homo sapiens	**1,514**	**0,599**	14,513	2,8971162	3638	104788	58	5.27
4827050	ubiquitin specific protease 14 isoform a [Homo sapien	**1,514**	**0,598**	7,449	....	175	56033	20	5.20
4757774	ADP-ribosylation factor-like 3 [Homo sapiens	**1,512**	**0,596**	10,965	....	457	20443	6	6.74
19923233	sterol carrier protein 2 isoform 1 proprotein [Homo sapien	**1,510**	**0,595**	17,076	....	32	100354	11	8.49
94721239	isoleucine tRNA synthetase [Homo sapiens	**1,510**	**0,594**	10,824	0,4263535	407	144406	24	5.82
47933379	N-ethylmaleimide-sensitive factor attachment protein, alpha [Homo sapier	**1,502**	**0,587**	16,676	15,872223	452	33211	13	5.23
23397427	synaptotagmin binding, cytoplasmic RNA interacting protein [Homo sapier	**1,502**	**0,586**	18,460	....	449	69590	19	8.68
33356163	eukaryotic translation initiation factor 1A, Y chromosome [Homo sapier	**1,498**	**0,583**	8,039	....	132	16432	5	5.07
4507729	tubulin, beta 2 [Homo sapiens	**1,497**	**0,582**	11,032	19,887795	2740	49875	22	4.78
5453555	ras-related nuclear protein [Homo sapiens	**1,495**	**0,580**	18,999	8,6297347	204	24408	6	7.01
4503471	eukaryotic translation elongation factor 1 alpha 1 [Homo sapien	**1,494**	**0,579**	19,926	9,0435044	2706	50109	12	9.10
5803013	endoplasmic reticulum protein 29 isoform 1 precursor [Homo sapien	**1,491**	**0,576**	16,899	....	760	28975	13	6.77
4507789	ubiquitin-conjugating enzyme E2L 3 isoform 1 [Homo sapien	**1,490**	**0,575**	8,961	....	283	17850	4	8.68
17986283	tubulin, alpha 1a [Homo sapiens	**1,487**	**0,572**	19,242	....	2493	50104	14	4.94
8659555	aconitase 1 [Homo sapiens	**1,485**	**0,571**	15,589	....	330	98337	16	6.23
21361091	ubiquitin carboxyl-terminal esterase L1 [Homo sapien	**1,484**	**0,569**	19,038	13,439852	1356	24808	11	5.33
169210992	PREDICTED: hypothetical protein LOC100131693 [Homo sapiens	**1,483**	**0,568**	10,272	....	121	25111	4	6.00
13376181	tubulin, alpha-like 3 [Homo sapiens	**1,482**	**0,568**	3,422	....	95	49877	8	5.68
4757838	BCL2-associated X protein isoform beta [Homo sapien	**1,480**	**0,565**	15,029	....	478	24204	9	7.74
4503583	epoxide hydrolase 1 [Homo sapiens	**1,467**	**0,552**	4,861	....	305	52915	14	6.77
8923458	COMM domain containing 8 [Homo sapiens	**1,466**	**0,552**	18,405	....	391	21077	7	5.29
22749479	canopy 4 homolog [Homo sapiens	**1,462**	**0,548**	12,702	....	234	28292	6	4.60
4502049	aldo-keto reductase family 1, member B1 [Homo sapien	**1,459**	**0,545**	13,779	....	364	35830	16	6.51
23397429	eukaryotic translation initiation factor 3, subunit M [Homo sapien	**1,458**	**0,544**	9,969	....	343	42476	11	5.41
219555707	eukaryotic translation initiation factor 5A isoform A [Homo sapien	**1,456**	**0,542**	14,061	11,50446	506	24170	8	9.25
4506019	alpha isoform of regulatory subunit B55, protein phosphatase 2 [Homo sapier	**1,455**	**0,541**	18,108	....	212	51659	10	5.82
4826960	glutaminyl-tRNA synthetase [Homo sapiens	**1,452**	**0,538**	18,251	....	213	87743	20	6.71
4503515	eukaryotic translation initiation factor 3, subunit 3 gamma, 40kDa [Homo sapier	**1,452**	**0,538**	16,718	15,21209	279	39905	15	6.09
4757880	budding uninhibited by benzimidazoles 3 isoform a [Homo sapien	**1,452**	**0,538**	15,957	....	257	37131	9	6.36
4557537	developmentally regulated GTP binding protein 2 [Homo sapier	**1,448**	**0,534**	18,241	....	327	40720	12	9.02
33946329	ras related v-ral simian leukemia viral oncogene homolog A [Homo sapier	**1,446**	**0,532**	17,831	....	514	23552	11	6.66
10864011	sulfide dehydrogenase like [Homo sapiens	**1,445**	**0,531**	15,494	7,6527933	281	49929	12	9.18
37594464	nudix-type motif 5 [Homo sapiens	**1,443**	**0,529**	15,098	....	523	24312	4	4.87
29725611	protein phosphatase 2A, regulatory subunit B' isoform b [Homo sapien	**1,438**	**0,524**	1,855	....	130	36752	6	5.89
23308579	prostaglandin-E synthase 3 [Homo sapiens	**1,436**	**0,522**	19,773	....	180	18685	6	4.35
211904152	plasminogen activator inhibitor type 1, member 2 isoform b precursor [Homo sapie	**1,428**	**0,514**	19,783	....	252	43972	10	9.42
25777602	proteasome 26S non-ATPase subunit 2 [Homo sapiens	**1,425**	**0,511**	12,809	....	332	100136	23	5.08
5454028	related RAS viral (r-ras) oncogene homolog [Homo sapien	**1,425**	**0,511**	12,179	15,405436	777	23466	12	6.43
24497435	proteasome 26S ATPase subunit 5 [Homo sapiens	**1,418**	**0,504**	9,565	11,583319	277	45597	16	7.11
6274552	signal transducer and activator of transcription 1 isoform alpha [Homo sapier	**1,415**	**0,500**	18,559	12,493383	1081	87280	39	5.74
7524354	dimethylarginine dimethylaminohydrolase 2 [Homo sapien	**1,411**	**0,497**	12,713	16,40054	665	29625	7	5.66
10801345	eukaryotic translation initiation factor 3, subunit 12 [Homo sapien	**1,410**	**0,495**	18,474	7,8343272	274	25043	7	4.81
112382250	spectrin, beta, non-erythrocytic 1 isoform 1 [Homo sapien	**1,409**	**0,494**	14,642	17,109306	702	274439	63	5.39
7661568	phosphoglucomutase 3 [Homo sapiens	**1,408**	**0,494**	6,716	....	106	59814	8	5.84
4826898	profilin 1 [Homo sapiens	**1,404**	**0,489**	7,251	7,1449569	3137	15045	12	8.44
4503097	casein kinase 2, alpha prime polypeptide [Homo sapien	**1,403**	**0,489**	4,006	....	93	41187	7	8.65
4503095	casein kinase II alpha 1 subunit isoform a [Homo sapien	**1,403**	**0,489**	12,459	....	211	45115	12	7.29
25777615	proteasome 26S non-ATPase subunit 7 [Homo sapiens	**1,403**	**0,488**	11,505	6,2059149	720	37002	14	6.29
223029410	talin 1 [Homo sapiens	**1,402**	**0,488**	19,049	4,2198786	2036	269599	80	5.77
4758086	cysteine and glycine-rich protein 1 isoform 1 [Homo sapien	**1,400**	**0,485**	17,225	....	635	20554	6	8.90
47419914	tryptophanyl-tRNA synthetase isoform a [Homo sapiens	**1,399**	**0,484**	13,915	15,988344	327	53132	13	5.83
11968182	ribosomal protein S18 [Homo sapiens	**1,399**	**0,484**	7,927	17,608838	114	17708	10	10.99
4557839	phosphomannomutase 2 [Homo sapiens	**1,398**	**0,483**	12,919	....	72	28064	10	6.35
28872725	proteasome 26S non-ATPase subunit 11 [Homo sapiens	**1,397**	**0,483**	18,949	16,046513	502	47434	18	6.08
38027923	COP9 signalosome subunit 5 [Homo sapiens	**1,397**	**0,483**	15,173	....	162	37555	8	6.10
6912594	phosphatidylinositol transfer protein, beta [Homo sapien	**1,397**	**0,482**	10,015	....	144	31520	14	6.41
4759034	eukaryotic translation termination factor 1 [Homo sapien	**1,392**	**0,477**	17,804	....	256	49000	14	5.51
148536855	coatomer protein complex, subunit alpha isoform 1 [Homo sapien	**1,391**	**0,476**	18,308	19,258717	469	139235	33	7.53
23110942	proteasome alpha 5 subunit [Homo sapiens	**1,390**	**0,475**	11,987	13,269471	870	26394	7	4.74
38373690	COP9 signalosome subunit 4 [Homo sapiens	**1,388**	**0,473**	18,783	....	367	46240	18	5.57
13775198	SH3 domain binding glutamic acid-rich protein like 3 [Homo sapien	**1,388**	**0,473**	12,276	....	194	10431	5	4.82
7705885	vacuolar protein sorting 28 isoform 1 [Homo sapien	**1,388**	**0,473**	14,578	....	252	25409	7	5.37
22027538	programmed cell death 6 interacting protein isoform 1 [Homo sapier	**1,381**	**0,466**	16,730	12,197621	675	95963	30	6.13
4506005	protein phosphatase 1, catalytic subunit, beta isoform 1 [Homo sapier	**1,377**	**0,462**	18,384	....	778	37163	14	5.84
33620775	kinectin 1 isoform a [Homo sapiens	**1,375**	**0,460**	0,792	11,036593	350	156179	30	5.52
24797086	importin 5 [Homo sapiens	**1,374**	**0,459**	15,636	4,8449553	1252	125464	34	4.80
4506455	reticulocalbin 1 precursor [Homo sapiens	**1,374**	**0,458**	5,556	....	159	38866	11	4.86
9910280	UDP-glucose ceramide glucosyltransferase-like 1 [Homo sapien	**1,373**	**0,457**	19,621	2,5493972	953	177078	37	5.42

28416940	Shwachman-Bodian-Diamond syndrome protein [Homo sapien	**1,372**	**0,457**	17,558	17,237951	193	28745	11	8.91
5031635	cofilin 1 (non-muscle) [Homo sapiens	**1,367**	**0,451**	16,609	....	1194	18491	7	8.22
6996014	histidyl-tRNA synthetase [Homo sapiens	**1,362**	**0,446**	16,983	....	263	57374	23	5.72
4758950	peptidylprolyl isomerase B precursor [Homo sapien	**1,360**	**0,444**	18,079	16,252594	2184	23728	14	9.42
4502599	carbonyl reductase 1 [Homo sapiens	**1,356**	**0,439**	17,944	2,2048262	1648	30356	13	8.55
19923142	karyopherin beta 1 [Homo sapiens	**1,355**	**0,439**	5,052	6,1653035	779	97108	27	4.68
21040371	DEAD (Asp-Glu-Ala-Asp) box polypeptide 39 [Homo sapien	**1,354**	**0,437**	14,208	....	171	49098	11	5.46
55770888	early endosome antigen 1, 162kD [Homo sapien	**1,349**	**0,432**	14,346	....	1504	162367	66	5.53
48762932	chaperonin containing TCP1, subunit 8 (theta) [Homo sapien	**1,348**	**0,431**	19,225	6,1058264	253	59583	10	5.42
4557541	torsin A [Homo sapiens	**1,346**	**0,429**	4,199	....	184	37784	10	6.51
4506181	proteasome subunit alpha type 2 [Homo sapien	**1,344**	**0,427**	15,409	1,5951832	1668	25882	12	6.92
4503165	cullin 3 [Homo sapiens	**1,342**	**0,424**	7,058	....	101	88873	20	8.68
4502201	ADP-ribosylation factor 1 [Homo sapien	**1,341**	**0,423**	15,224	5,4365427	1788	20684	10	6.32
21361370	brain glycogen phosphorylase [Homo sapien	**1,340**	**0,422**	16,935	13,481228	592	96635	34	6.40
40068518	phosphogluconate dehydrogenase [Homo sapien	**1,340**	**0,422**	15,131	18,867227	874	53106	17	6.80
4503117	cystatin B [Homo sapiens	**1,333**	**0,415**	3,729	2,4358405	294	11133	5	6.96
41872631	fatty acid synthase [Homo sapiens	**1,331**	**0,413**	17,562	....	808	273254	44	6.01
4505621	prostatic binding protein [Homo sapien	**1,329**	**0,410**	19,784	....	1722	21044	10	7.01
23110944	proteasome alpha 6 subunit [Homo sapien	**1,328**	**0,409**	16,582	15,440126	1157	27382	10	6.34
4503377	dihydropyrimidinase-like 2 [Homo sapien	**1,327**	**0,408**	19,967	....	1997	62255	24	5.95
4759270	translin [Homo sapiens	**1,325**	**0,406**	18,943	....	338	26167	8	6.01
5803013	endoplasmic reticulum protein 29 isoform 1 precursor [Homo sapien	**1,323**	**0,404**	15,666	17,873291	780	28975	10	6.77
4502643	chaperonin containing TCP1, subunit 6A isoform a [Homo sapien	**1,322**	**0,403**	19,611	....	837	57988	23	6.23
6912238	peroxiredoxin 5 isoform a precursor [Homo sapien	**1,321**	**0,401**	16,631	1,8447888	579	22012	10	8.85
5454090	signal sequence receptor, delta [Homo sapien	**1,319**	**0,400**	6,698	....	73	43916	5	6.06
38202255	threonyl-tRNA synthetase [Homo sapiens	**1,317**	**0,397**	19,215	14,953806	294	83382	13	6.23
4503507	eukaryotic translation initiation factor 2, subunit 3 gamma, 52kDa [Homo sapien	**1,316**	**0,397**	19,316	....	92	51077	11	8.66
4758988	RAB1A, member RAS oncogene family isoform 1 [Homo sapien	**1,311**	**0,390**	9,113	....	2788	22663	13	5.93
157389005	calpain 2 isoform 1 [Homo sapiens	**1,310**	**0,390**	12,046	5,0352012	229	79959	6	4.88
4506055	cAMP-dependent protein kinase catalytic subunit alpha isoform 1 [Homo sapien	**1,309**	**0,388**	17,926	....	287	40564	18	8.84
4885539	protein-L-isoaspartate (D-aspartate) O-methyltransferase [Homo sapier	**1,306**	**0,385**	19,473	14,709777	663	24621	12	6.70
25777612	proteasome 26S non-ATPase subunit 3 [Homo sapien	**1,306**	**0,385**	11,066	3,3719905	396	60939	24	8.47
33519426	thioredoxin reductase 1 isoform 2 [Homo sapien	**1,295**	**0,373**	17,743	....	306	54720	12	6.07
25777600	proteasome 26S non-ATPase subunit 1 [Homo sapien	**1,294**	**0,372**	11,446	....	410	105769	23	5.25
83700235	eukaryotic translation initiation factor 4A2 [Homo sapien	**1,293**	**0,371**	2,584	2,4701723	129	46373	4	5.33
4557237	acetyl-Coenzyme A acetyltransferase 1 precursor [Homo sapien	**1,293**	**0,371**	16,616	2,8330865	319	45171	10	8.98
29029559	CSE1 chromosome segregation 1-like protein [Homo sapien	**1,292**	**0,370**	5,637	....	403	110346	21	5.51
4502551	calumenin isoform a precursor [Homo sapien	**1,292**	**0,369**	18,718	....	474	37084	17	4.47
67782305	manganese superoxide dismutase isoform A precursor [Homo sapien	**1,291**	**0,368**	19,376	6,836533	2252	24735	11	8.35
109148508	otubain 1 [Homo sapiens	**1,289**	**0,367**	11,272	16,885449	194	31264	5	4.85
13259510	dynactin 1 isoform 1 [Homo sapiens	**1,288**	**0,365**	3,895	....	351	141607	43	5.61
4506013	protein phosphatase 1, regulatory subunit 7 [Homo sapien	**1,288**	**0,365**	18,595	....	369	41539	14	4.84
34147513	RAB7, member RAS oncogene family [Homo sapien	**1,285**	**0,361**	19,675	13,363547	1705	23475	17	6.40
39725636	transmembrane emp24 protein transport domain containing 9 [Homo sapier	**1,284**	**0,360**	10,936	8,4029605	365	27260	10	7.82
4758516	hepatoma-derived growth factor isoform a [Homo sapien	**1,281**	**0,357**	7,875	....	145	26772	12	4.70
34147630	Tu translation elongation factor, mitochondrial precursor [Homo sapier	**1,279**	**0,355**	7,811	18,022244	394	49843	16	7.26
4506243	polypyrimidine tract-binding protein 1 isoform a [Homo sapien	**1,276**	**0,352**	17,450	....	679	59596	12	9.21
4506221	proteasome 26S non-ATPase subunit 12 isoform 1 [Homo sapien	**1,276**	**0,352**	17,450	....	765	52871	20	7.53
8392875	transcription factor IIB [Homo sapiens	**1,275**	**0,350**	0,046	....	184	22760	4	9.78
4505591	peroxiredoxin 1 [Homo sapiens	**1,273**	**0,348**	19,757	5,3789217	1968	22096	18	8.27
4507761	ubiquitin and ribosomal protein L40 precursor [Homo sapien	**1,271**	**0,346**	17,938	....	184	14719	5	9.87
14210536	tubulin, beta 6 [Homo sapiens	**1,270**	**0,344**	12,984	3,3515809	3895	49825	22	4.77
41349439	SEC31 homolog A isoform 1 [Homo sapiens	**1,267**	**0,342**	13,895	....	218	132931	20	6.43
19913410	major vault protein [Homo sapien	**1,265**	**0,339**	1,399	12,065369	1192	99266	42	5.34
4504505	hydroxysteroid (17-beta) dehydrogenase 4 [Homo sapien	**1,263**	**0,337**	18,930	5,4282407	338	79636	24	8.96
156564401	vesicle-fusing ATPase [Homo sapiens	**1,262**	**0,335**	12,935	2,5843977	182	82542	11	6.52
13569962	RAB1B, member RAS oncogene family [Homo sapien	**1,261**	**0,335**	16,084	4,9853268	2664	22157	15	5.55
4504067	aspartate aminotransferase 1 [Homo sapien	**1,261**	**0,335**	16,339	11,78235	665	46219	22	6.52
4557469	adaptor-related protein complex 2, beta 1 subunit isoform b [Homo sapien	**1,257**	**0,330**	17,691	13,182934	524	104486	21	5.22
14043022	methionyl-tRNA synthetase [Homo sapiens	**1,251**	**0,323**	19,109	2,7798182	224	101052	11	5.82
30410792	proteasome activator subunit 2 [Homo sapien	**1,251**	**0,323**	10,465	5,6560911	661	27384	7	5.54
28570172	NADP-dependent leukotriene B4 12-hydroxydehydrogenase [Homo sapien	**1,250**	**0,322**	6,949	3,8147615	362	35863	12	8.45
4503895	galactokinase 1 [Homo sapiens	**1,250**	**0,322**	19,702	8,5712864	203	42246	12	6.04
41327764	aldo-keto reductase family 7, member A2 [Homo sapien	**1,247**	**0,318**	15,458	16,349277	327	39564	11	6.70
7305053	myoferlin isoform a [Homo sapiens	**1,247**	**0,318**	19,527	8,6172742	3064	234561	84	5.84
5802966	destrin isoform a [Homo sapiens	**1,246**	**0,317**	10,707	1,7022503	1325	47239	10	4.91
4505257	moesin [Homo sapiens	**1,246**	**0,317**	19,636	0,0424246	1826	67778	51	6.08
19913414	adaptor-related protein complex 2, alpha 1 subunit isoform 1 [Homo sapien	**1,244**	**0,315**	17,771	14,503931	397	107478	29	6.63
15149476	arginyl-tRNA synthetase [Homo sapiens	**1,243**	**0,314**	8,946	15,829452	272	75331	26	6.26
4759264	COP9 constitutive photomorphogenic homolog subunit 2 isoform 1 [Homo sapier	**1,243**	**0,314**	19,304	0,4327804	359	51564	18	5.36
12408656	calpain 1, large subunit [Homo sapien	**1,241**	**0,311**	18,782	....	502	81838	25	5.49
7657603	heme binding protein 2 [Homo sapien	**1,239**	**0,309**	8,690	....	350	22861	6	4.58
24430151	proteasome 26S ATPase subunit 1 [Homo sapien	**1,236**	**0,306**	5,226	8,5210932	501	49154	16	5.87
116805340	glycyl-tRNA synthetase [Homo sapiens	**1,236**	**0,306**	13,967	5,4632323	309	83113	19	6.61
91199540	dihydrolipoamide dehydrogenase precursor [Homo sapien	**1,235**	**0,304**	7,638	10,437393	229	54143	11	7.95
17978519	vacuolar protein sorting 26 A isoform 1 [Homo sapien	**1,234**	**0,304**	13,449	5,9204271	294	38146	11	6.13
38569423	ATP citrate lyase isoform 2 [Homo sapiens	**1,232**	**0,301**	8,265	....	476	119695	25	6.95
5802966	destrin isoform a [Homo sapiens	**1,231**	**0,300**	13,244	....	293	18493	7	8.06
38569421	ATP citrate lyase isoform 1 [Homo sapiens	**1,230**	**0,299**	18,549	....	1020	120762	42	6.95
148727341	serine/threonine kinase receptor associated protein [Homo sapien	**1,229**	**0,298**	17,403	2,643195	610	38414	13	4.98
22538465	proteasome beta 3 subunit [Homo sapien	**1,226**	**0,294**	17,760	12,969033	1523	22933	12	6.14
158937236	aminopeptidase puromycin sensitive [Homo sapien	**1,225**	**0,293**	5,729	2,7501997	343	103211	20	5.49
4758256	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa [Homo sapien	**1,223**	**0,291**	12,590	....	413	36089	15	5.02
20357529	guanine nucleotide-binding protein, beta-2 subunit [Homo sapien	**1,223**	**0,290**	6,231	....	317	37307	11	5.60
19913432	ATPase, H+ transporting, lysosomal, V0 subunit d1 [Homo sapien	**1,222**	**0,289**	5,229	2,0824764	177	40303	10	4.89
4507953	tyrosine 3/tryptophan 5 -monooxygenase activation protein, zeta polypeptide [Homo sapie	**1,221**	**0,289**	19,301	11,548273	4120	27728	24	4.73
4758648	kinesin family member 5B [Homo sapien	**1,218**	**0,284**	11,520	....	588	109617	38	6.12
4759270	translin [Homo sapiens	**1,216**	**0,283**	10,340	12,636285	611	26167	9	6.01
11125770	aminoacyl tRNA synthetase complex-interacting multifunctional protein 2 [Homo sapier	**1,216**	**0,283**	18,667	....	63	35326	4	8.45
21361794	TIP120 protein [Homo sapiens	**1,215**	**0,281**	13,858	5,6426702	839	136289	30	5.52
11055992	serine carboxypeptidase 1 precursor [Homo sapien	**1,215**	**0,281**	3,755	11,167096	371	50798	7	5.61
31542319	epsilon subunit of coatomer protein complex isoform a [Homo sapier	**1,214**	**0,280**	19,578	....	1210	34460	10	4.97
5032117	sigma non-opioid intracellular receptor 1 isoform 1 [Homo sapier	**1,213**	**0,279**	12,616	4,8570224	198	25112	3	5.61
4826659	F-actin capping protein beta subunit [Homo sapien	**1,212**	**0,277**	18,291	6,6227211	1094	30609	13	5.69
157502193	proteasome 26S non-ATPase subunit 13 isoform 1 [Homo sapien	**1,207**	**0,271**	12,817	1,0614791	331	42918	13	5.53
4506365	RAB2A, member RAS oncogene family [Homo sapien	**1,204**	**0,268**	17,944	....	61	23531	2	6.08
4506183	proteasome alpha 3 subunit isoform 1 [Homo sapien	**1,201**	**0,264**	17,061	0,9015937	357	28415	9	5.19
48255957	plasma membrane calcium ATPase 4 isoform 4b [Homo sapien	**1,195**	**0,257**	17,630	....	299	133846	13	6.04
4507949	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, beta polypeptide [Homo sa	**1,192**	**0,254**	17,205	....	1968	28065	18	4.76
7705369	coatomer protein complex, subunit beta 1 [Homo sapien	**1,192**	**0,254**	17,977	11,866934	532	107074	32	5.72
5032007	purine-rich element binding protein A [Homo sapien	**1,191**	**0,252**	6,922	....	191	34889	7	6.07
38455427	chaperonin containing TCP1, subunit 4 (delta) [Homo sapien	**1,191**	**0,252**	13,446	6,0668053	631	57888	23	7.96
4506189	proteasome alpha 7 subunit [Homo sapien	**1,187**	**0,248**	17,701	0,6944624	1025	27870	12	8.60
5453603	chaperonin containing TCP1, subunit 2 [Homo sapien	**1,186**	**0,246**	19,599	6,2795197	1293	57452	25	6.01
4506179	proteasome alpha 1 subunit isoform 2 [Homo sapien	**1,183**	**0,243**	11,326	....	227	29537	13	6.15
17999541	vacuolar protein sorting 35 [Homo sapien	**1,183**	**0,243**	7,857	11,297946	684	91649	27	5.32
55956788	nucleolin [Homo sapiens	**1,181**	**0,240**	16,710	6,3071636	445	76568	16	4.60
5803225	tyrosine 3/tryptophan 5 -monooxygenase activation protein, epsilon polypeptide [Homo sapie	**1,177**	**0,236**	19,647	1,1389787	4222	29155	24	4.63
215490011	small inducible cytokine subfamily E, member 1 isoform b precursor [Homo sapier	**1,177**	**0,235**	12,350	....	108	37016	7	8.83
11559929	coatomer protein complex, subunit gamma 1 [Homo sapier	**1,177**	**0,235**	14,194	1,0529457	734	97655	31	5.32
37594471	3-hydroxyisobutyryl-Coenzyme A hydrolase isoform 1 [Homo sapien	**1,176**	**0,234**	15,152	14,444751	282	43454	12	8.38
42734438	hypothetical protein LOC51571 [Homo sapien	**1,174**	**0,231**	9,286	8,6642342	183	36725	11	5.76
4758484	glutathione-S-transferase omega 1 [Homo sapien	**1,173**	**0,230**	18,097	....	410	27548	14	6.23
116256489	septin 9 isoform c [Homo sapiens	**1,170**	**0,227**	0,230	....	149	63626	9	8.56
5454158	valyl-tRNA synthetase [Homo sapiens	**1,170**	**0,226**	10,719	18,347155	459	140387	21	7.53
4503529	eukaryotic translation initiation factor 4A isoform 1 [Homo sapien	**1,168**	**0,224**	18,130	5,2640339	1296	46125	20	5.32
71773329	annexin VI isoform 1 [Homo sapiens	**1,168**	**0,224**	18,209	12,731418	3100	75826	38	5.42
4503379	dihydropyrimidinase-like 3 [Homo sapien	**1,166**	**0,221**	17,973	15,797221	870	61924	19	6.04
19923231	RAB6A, member RAS oncogene family isoform a [Homo sapien	**1,157**	**0,211**	19,660	9,4380437	967	23534	13	5.42
154146191	heat shock 90kDa protein 1, alpha isoform 2 [Homo sapien	**1,157**	**0,211**	19,163	1,0091803	2295	84607	39	4.94
31542319	epsilon subunit of coatomer protein complex isoform a [Homo sapier	**1,155**	**0,208**	17,632	....	509	34460	16	4.97
4758582	isocitrate dehydrogenase 3 (NAD+) gamma isoform a precursor [Homo sapier	**1,155**	**0,207**	15,932	....	122	42767	8	8.75
38327039	heat shock 70kDa protein 4 [Homo sapiens	**1,152**	**0,205**	18,392	....	1109	94271	37	5.11
24307939	chaperonin containing TCP1, subunit 5 (epsilon) [Homo sapien	**1,149**	**0,201**	17,220	18,327877	909	59633	22	5.45
4758952	protein phosphatase 2, catalytic subunit, beta isoform [Homo sapier	**1,149**	**0,201**	17,005	....	203	35552	10	5.21
5174419	caseinolytic peptidase, ATP-dependent, proteolytic subunit precursor [Homo sapier	**1,148**	**0,200**	1,230	....	289	30161	6	8.26
4504169	glutathione synthetase [Homo sapiens	**1,148**	**0,199**	14,031	....	363	52352	15	5.67
5453607	chaperonin containing TCP1, subunit 7 isoform a [Homo sapien	**1,147**	**0,198**	13,930	11,837337	880	59329	19	7.55
5453908	phosphatidylinositol transfer protein, alpha [Homo sapien	**1,144**	**0,195**	15,434	11,816191	428	31786	11	6.11
208973246	quinoid dihydropteridine reductase [Homo sapien	**1,144**	**0,194**	8,540	....	281	25773	10	6.90
4503483	eukaryotic translation elongation factor 2 [Homo sapien	**1,143**	**0,193**	19,346	2,5438427	1903	95277	44	6.41
4503519	eukaryotic translation initiation factor 3, subunit 5 epsilon, 47kDa [Homo sapier	**1,139**	**0,187**	18,512	18,641334	686	37540	8	5.24
61742819	dCMP deaminase isoform b [Homo sapien	**1,133**	**0,180**	18,126	....	46	55047	3	6.57
4759274	thioredoxin-like 1 [Homo sapiens	**1,126**	**0,171**	11,135	....	322	32231	10	4.84
4757900	calreticulin precursor [Homo sapiens	**1,126**	**0,171**	13,194	17,092975	1577	48112	17	4.29
4826952	proteasome 26S non-ATPase subunit 5 [Homo sapien	**1,121**	**0,165**	18,955	17,68185	544	56160	15	5.35
205277386	glucosamine-fructose-6-phosphate aminotransferase [Homo sapien	**1,120**	**0,163**	17,305	1,5533185	548	76710	22	6.39
4502899	clathrin, light polypeptide A isoform a [Homo sapien	**1,120**	**0,163**	13,126	....	173	23647	9	4.45
19923262	RAB5A, member RAS oncogene family [Homo sapien	**1,119**	**0,163**	9,647	....	535	23644	13	8.32
190358517	RAB11B, member RAS oncogene family [Homo sapien	**1,117**	**0,160**	17,966	2,880425	1620	24473	14	5.64
33695095	ras-related GTP-binding protein RAB10 [Homo sapien	**1,116**	**0,159**	17,886	2,4282641	433	22455	8	8.80
4508047	zyxin [Homo sapiens	**1,116**	**0,158**	17,003	....	258	61238	7	6.22
4503521	eukaryotic translation initiation factor 3, subunit 6 48kDa [Homo sapien	**1,112**	**0,153**	4,370	....	260	52187	13	5.71
5729877	heat shock 70kDa protein 8 isoform 1 [Homo sapien	**1,109**	**0,150**	18,295	....	3004	70854	32	5.37
7019323	dolichyl-phosphate beta-glucosyltransferase isoform 1 [Homo sapien	**1,109**	**0,150**	8,125	....	103	36922	10	9.34
4759300	vesicle-associated membrane protein 3 [Homo sapien	**1,107**	**0,147**	12,721	....	556	11302	4	8.89
4506217	proteasome 26S non-ATPase subunit 10 isoform 1 [Homo sapien	**1,107**	**0,146**	19,061	....	216	24412	7	5.71
4506209	proteasome 26S ATPase subunit 2 [Homo sapien	**1,106**	**0,146**	16,064	4,9903888	440	48603	12	5.71
4506467	radixin [Homo sapiens	**1,106**	**0,146**	8,118	....	583	68521	24	6.03

5729779	COP9 signalosome subunit 8 isoform 1 [Homo sapiens	**1,106**	**0,146**	16,334	….	475	23211	6	5.25
4758340	phenylalanyl-tRNA synthetase, alpha subunit [Homo sapiens	**1,106**	**0,145**	17,892	….	189	57528	12	7.31
34485714	Ras-related protein Rab-23 [Homo sapiens	**1,106**	**0,145**	9,542	6,7890133	237	26643	12	6.22
4506193	proteasome beta 1 subunit [Homo sapiens	**1,105**	**0,144**	19,487	16,828517	1386	26472	11	8.27
24234688	heat shock 70kDa protein 9 precursor [Homo sapiens	**1,104**	**0,143**	19,761	5,3513234	1923	73635	32	5.87
4885417	ubiquitin-conjugating enzyme E2-25K isoform 1 [Homo sapien	**1,103**	**0,141**	10,586	….	130	22393	9	5.33
20127486	mannose 6 phosphate receptor binding protein 1 [Homo sapien	**1,102**	**0,141**	19,947	13,675478	3255	47018	23	5.30
58761486	chaperonin containing TCP1, subunit 3 isoform b [Homo sapien	**1,102**	**0,141**	16,826	5,0750475	418	60424	18	6.10
19923973	potassium channel tetramerisation domain containing 12 [Homo sapier	**1,100**	**0,138**	5,331	….	241	35679	13	5.51
4758516	hepatoma-derived growth factor isoform a [Homo sapien	**1,100**	**0,138**	13,957	….	210	26772	19	4.70
20127454	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase [Homo sapie	**1,100**	**0,138**	11,670	2,7410863	1142	64575	27	6.27
18375501	APEX nuclease 1 [Homo sapiens	**1,099**	**0,136**	18,687	….	176	35532	7	8.33
25777713	S-phase kinase-associated protein 1 isoform b [Homo sapien	**1,094**	**0,129**	0,338	….	151	18646	3	4.40
21361361	ilvB (bacterial acetolactate synthase)-like [Homo sapien	**1,093**	**0,128**	7,813	….	176	67825	4	8.43
5729877	heat shock 70kDa protein 8 isoform 1 [Homo sapiens	**1,092**	**0,127**	19,380	2,2167054	3797	70854	31	5.37
5729850	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypeptide 3 [Homo sapie	**1,091**	**0,126**	13,363	….	710	40506	9	5.50
4505331	N-ethylmaleimide-sensitive factor attachment protein, gamma [Homo sapier	**1,089**	**0,122**	17,522	15,556377	212	34724	8	5.30
19743875	fumarate hydratase precursor [Homo sapiens	**1,088**	**0,122**	13,070	….	231	54602	13	8.85
27735029	MOB1, Mps One Binder kinase activator-like 1A [Homo sapiens	**1,088**	**0,121**	9,965	….	64	25075	6	6.24
21614499	ezrin [Homo sapiens	**1,086**	**0,119**	3,076	3,2037328	589	69370	26	5.94
167466173	heat shock 70kDa protein 1B [Homo sapiens	**1,080**	**0,111**	16,226	4,8813066	1270	70009	21	5.48
29501813	ubiquitin fusion degradation 1-like isoform A [Homo sapien	**1,078**	**0,109**	13,962	….	113	34478	11	6.27
98986464	transmembrane emp24 domain-containing protein 10 precursor [Homo sapier	**1,078**	**0,108**	18,282	15,772054	211	24960	4	6.97
7661678	RAP1B, member of RAS oncogene family [Homo sapiens	**1,076**	**0,105**	19,798	1,1524693	2045	20812	10	5.65
27501446	density-regulated protein [Homo sapiens	**1,074**	**0,103**	0,036	3,3564802	155	22078	5	5.21
48255966	UDP-glucose pyrophosphorylase 2 isoform a [Homo sapiens	**1,072**	**0,101**	18,548	7,7853945	374	56905	19	8.16
25777730	aldehyde dehydrogenase 1B1 precursor [Homo sapien	**1,072**	**0,100**	15,560	….	299	57213	13	6.55
10880989	RAB18, member RAS oncogene family [Homo sapiens	**1,070**	**0,097**	6,975	19,929909	616	22963	8	5.11
13654237	protein kinase, DNA-activated, catalytic polypeptide isoform 1 [Homo sapier	**1,069**	**0,096**	19,957	….	387	468788	72	6.75
41393561	leucine aminopeptidase 3 [Homo sapiens	**1,069**	**0,096**	17,684	….	320	56131	23	8.03
41393545	RAB5C, member RAS oncogene family isoform b [Homo sapien	**1,068**	**0,094**	19,735	8,5882577	1536	23468	9	8.64
4506209	proteasome 26S ATPase subunit 2 [Homo sapiens	**1,067**	**0,094**	5,868	….	339	48603	19	5.71
7706481	calcium binding protein 39 [Homo sapiens	**1,067**	**0,094**	3,837	….	159	39844	10	6.43
6912280	activator of heat shock 90kDa protein ATPase homolog 1 [Homo sapien	**1,066**	**0,093**	19,346	….	185	38250	8	5.41
9910542	SAR1a gene homolog 1 [Homo sapiens	**1,066**	**0,092**	19,919	13,903492	1139	22353	13	6.21
41393599	coproporphyrinogen oxidase [Homo sapiens	**1,063**	**0,088**	7,327	….	206	50120	12	8.59
30410796	proteasome activator subunit 3 isoform 2 [Homo sapien	**1,062**	**0,086**	8,417	….	313	30867	5	5.79
4503609	electron-transfer-flavoprotein, beta polypeptide isoform 1 [Homo sapier	**1,061**	**0,086**	18,405	….	250	27826	14	8.24
4505701	pyridoxal kinase [Homo sapiens	**1,059**	**0,083**	3,789	….	388	35080	12	5.75
4885585	SUMO1 activating enzyme subunit 1 isoform a [Homo sapiens	**1,059**	**0,083**	17,553	….	254	38426	6	5.17
42794771	thioredoxin domain containing 5 isoform 1 precursor [Homo sapien	**1,059**	**0,082**	8,164	….	229	47599	11	5.63
13489054	mitogen-activated protein kinase kinase 2 [Homo sapien	**1,057**	**0,080**	11,680	….	83	44396	6	6.12
13376840	WD repeat domain 61 [Homo sapiens	**1,056**	**0,079**	19,027	18,56218	563	33560	7	5.16
38202214	SEC23-related protein A [Homo sapiens	**1,056**	**0,079**	15,289	13,218093	399	86105	16	6.64
4885583	Rho-associated, coiled-coil containing protein kinase 1 [Homo sapien	**1,054**	**0,076**	13,321	….	107	158076	36	5.66
40316915	arginyl aminopeptidase [Homo sapiens	**1,053**	**0,075**	11,764	….	134	72549	11	5.51
22538467	proteasome beta 4 subunit [Homo sapiens	**1,052**	**0,073**	18,963	0,341718	2617	29185	8	5.72
48255889	protein kinase C substrate 80K-H isoform 1 [Homo sapien	**1,052**	**0,073**	18,366	19,37958	619	59388	10	4.33
6005942	valosin-containing protein [Homo sapiens	**1,048**	**0,068**	19,395	….	615	89266	24	5.14
19923193	heat shock 70kD protein binding protein [Homo sapien	**1,047**	**0,067**	7,990	5,7376434	350	41305	12	5.18
4758304	protein disulfide isomerase A4 [Homo sapien	**1,047**	**0,066**	12,590	18,801357	862	72887	34	4.96
4505705	phosphoprotein enriched in astrocytes 15 [Homo sapien	**1,046**	**0,065**	15,692	….	397	15031	6	4.93
5803149	coated vesicle membrane protein [Homo sapien	**1,044**	**0,062**	10,424	….	474	22746	7	5.08
21361619	toll interacting protein [Homo sapiens	**1,044**	**0,062**	0,368	….	91	30262	6	5.68
4758442	glia maturation factor, beta [Homo sapien	**1,044**	**0,062**	5,626	….	163	16702	6	5.19
5803181	stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein) [Homo sapier	**1,043**	**0,060**	17,600	8,4155715	277	62599	29	6.40
4506203	proteasome beta 7 subunit proprotein [Homo sapien	**1,034**	**0,048**	6,777	1,4359182	558	29946	6	7.57
5031753	heterogeneous nuclear ribonucleoprotein H1 [Homo sapien	**1,032**	**0,046**	13,994	….	357	49198	10	5.89
4505029	leukotriene A4 hydrolase [Homo sapiens	**1,032**	**0,046**	15,956	….	450	69241	17	5.80
4505541	USO1 homolog, vesicle docking protein [Homo sapien	**1,030**	**0,043**	19,229	….	607	107840	23	4.85
4503131	catenin (cadherin-associated protein), beta 1, 88kDa [Homo sapien	**1,029**	**0,041**	1,672	….	84	85442	13	5.53
47519639	microtubule-associated protein 4 isoform 1 [Homo sapien	**1,023**	**0,033**	16,120	….	95	120930	32	5.32
14917113	signal recognition particle receptor, beta subunit [Homo sapier	**1,023**	**0,032**	0,937	….	275	29633	11	9.16
4506597	ribosomal protein L12 [Homo sapiens	**1,021**	**0,030**	14,301	….	533	17808	6	9.48
8923001	abhydrolase domain containing 10 [Homo sapien	**1,021**	**0,030**	13,669	….	422	33911	8	8.80
5729980	phosphomevalonate kinase [Homo sapiens	**1,020**	**0,029**	9,749	….	113	21981	9	5.56
10863927	peptidylprolyl isomerase A [Homo sapien	**1,017**	**0,024**	16,802	7,0828197	1820	18001	9	7.68
4557032	L-lactate dehydrogenase B [Homo sapiens	**1,017**	**0,024**	19,259	16,389201	2260	36615	20	5.71
40254924	leucine rich repeat containing 59 [Homo sapiens	**1,015**	**0,022**	13,296	0,8877661	940	34909	12	9.61
38202257	neutral alpha-glucosidase AB isoform 2 [Homo sapien	**1,015**	**0,022**	13,534	….	545	106807	29	5.74
4757766	Rho GTPase activating protein 1 [Homo sapiens	**1,012**	**0,018**	14,971	8,2676897	245	50404	19	5.85
13994151	PDZ and LIM domain 1 [Homo sapiens	**1,012**	**0,017**	7,737	….	95	36049	12	6.56
49574508	N-Acetylglucosamine kinase [Homo sapiens	**1,011**	**0,016**	11,589	5,9711251	359	37352	11	5.81
4501867	aconitase 2, mitochondrial precursor [Homo sapien	**1,008**	**0,012**	19,834	3,4573583	413	85372	22	7.36
14110417	heterogeneous nuclear ribonucleoprotein D isoform b [Homo sapien	**1,007**	**0,009**	17,217	….	421	36249	10	8.14
41327712	v-crk sarcoma virus CT10 oncogene homolog isoform a [Homo sapien	**1,006**	**0,009**	14,164	….	370	33810	13	5.38
14149680	extended synaptotagmin-like protein 1 [Homo sapien	**1,006**	**0,009**	11,105	15,69451	591	122780	27	5.57
18379349	vesicle amine transport protein 1 [Homo sapien	**1,006**	**0,009**	18,447	19,203887	1463	41893	19	5.88
2226736	nipsnap homolog 3A [Homo sapiens	**1,005**	**0,007**	5,332	15,550578	229	28449	8	9.21
41349456	prolyl endopeptidase [Homo sapiens	**1,001**	**0,002**	18,151	….	323	80648	16	5.53
11321601	phosphofructokinase, platelet [Homo sapiens	**1,000**	**0,000**	14,295	2,6293982	580	85542	22	7.50
7661914	proteasome (prosome, macropain) 26S subunit, non-ATPase, 6 [Homo sapier	**0,997**	**-0,004**	17,554	14,055438	251	45502	14	5.45
4502491	complement component 1, q subcomponent binding protein precursor [Homo sapien	**0,995**	**-0,007**	15,354	….	694	31343	8	4.74
5453629	dynactin 2 [Homo sapiens	**0,995**	**-0,008**	15,917	….	296	44792	16	5.06
34577063	adenylosuccinate synthase [Homo sapiens	**0,994**	**-0,008**	13,363	….	184	50066	13	6.13
7706757	H(+)-transporting two-sector ATPase [Homo sapien	**0,994**	**-0,008**	16,047	….	421	28245	13	9.36
21361144	proteasome 26S ATPase subunit 3 [Homo sapiens	**0,994**	**-0,009**	12,945	17,28996	630	49172	21	5.13
4758504	hydroxysteroid (17-beta) dehydrogenase 10 isoform 1 [Homo sapien	**0,992**	**-0,011**	16,699	5,7587796	1399	26906	14	7.66
31542947	chaperonin [Homo sapiens	**0,992**	**-0,011**	91,367	….	682	61016	22	5.70
41406064	myosin, heavy polypeptide 10, non-muscle [Homo sapien	**0,992**	**-0,012**	18,070	….	2069	228858	86	5.44
13562090	apolipoprotein L2 [Homo sapiens	**0,992**	**-0,012**	12,998	….	198	37069	9	6.28
20986531	mitogen-activated protein kinase 1 [Homo sapien	**0,991**	**-0,012**	18,837	8,2270741	251	41363	21	6.50
23510338	ubiquitin-activating enzyme E1 [Homo sapiens	**0,991**	**-0,013**	19,424	2,9537974	1833	117774	37	5.49
8923812	acyl-CoA thioesterase 13 isoform 1 [Homo sapien	**0,989**	**-0,016**	11,636	….	66	29932	3	6.33
7706495	DnaJ (Hsp40) homolog, subfamily B, member 11 precursor [Homo sapien	**0,989**	**-0,017**	17,080	….	502	40489	12	5.81
4503607	electron transfer flavoprotein, alpha polypeptide isoform a [Homo sapier	**0,985**	**-0,021**	17,744	7,1956026	1748	35058	15	8.62
118402586	glyoxalase I [Homo sapiens	**0,985**	**-0,022**	12,762	….	570	20764	10	5.12
5174529	methionine adenosyltransferase II, alpha [Homo sapien	**0,984**	**-0,023**	7,786	16,363024	267	43633	6	6.02
5031595	actin related protein 2/3 complex subunit 4 isoform a [Homo sapier	**0,984**	**-0,024**	19,433	7,1978093	253	19654	9	8.53
5031973	protein disulfide isomerase A6 [Homo sapien	**0,983**	**-0,024**	11,585	8,5975501	1333	48091	23	4.95
11034825	methionine adenosyltransferase II, beta isoform 1 [Homo sapien	**0,983**	**-0,024**	1,342	….	172	37528	6	6.90
224465187	secernin 1 isoform a [Homo sapiens	**0,983**	**-0,025**	9,627	10,866909	134	46353	9	4.66
23110925	proteasome beta 6 subunit [Homo sapiens	**0,982**	**-0,027**	19,772	….	342	25341	5	4.80
7661910	tetratricopeptide repeat domain 35 [Homo sapien	**0,981**	**-0,027**	11,998	….	295	34811	9	6.15
25453474	eukaryotic translation elongation factor 1 delta isoform 1 [Homo sapier	**0,979**	**-0,031**	17,955	4,4516765	915	71364	16	6.02
11863154	archain isoform 1 [Homo sapiens	**0,974**	**-0,038**	20,935	8,7389127	133	57174	22	5.89
94429050	SEC22 vesicle trafficking protein homolog B [Homo sapiens	**0,974**	**-0,039**	19,629	0,6042003	1294	24578	11	6.43
5453597	F-actin capping protein alpha-1 subunit [Homo sapien	**0,973**	**-0,040**	19,496	9,2003187	1655	32902	11	5.45
6005846	twinfilin-like protein [Homo sapiens	**0,971**	**-0,042**	19,361	….	252	39523	9	6.37
21735621	mitochondrial malate dehydrogenase precursor [Homo sapien	**0,971**	**-0,043**	18,509	17,576547	2079	35481	17	8.92
20127408	mitochondrial trifunctional protein, alpha subunit precursor [Homo sapier	**0,971**	**-0,043**	4,248	0,621357	1678	82947	38	9.16
9257257	WD repeat-containing protein 1 isoform 1 [Homo sapien	**0,970**	**-0,043**	9,280	5,1830803	247	66152	16	6.17
48255905	transgelin [Homo sapiens	**0,969**	**-0,045**	19,951	….	4817	22596	16	8.87
38016911	stomatin isoform a [Homo sapiens	**0,969**	**-0,046**	17,797	9,7489562	103	31711	10	7.71
10835049	ras homolog gene family, member A [Homo sapien	**0,966**	**-0,051**	14,842	2,9173157	863	21754	9	5.83
4506201	proteasome beta 5 subunit isoform 1 [Homo sapien	**0,964**	**-0,053**	13,003	1,154956	890	28462	15	6.43
33350932	cytoplasmic dynein 1 heavy chain 1 [Homo sapiens	**0,963**	**-0,055**	17,794	4,5039053	4934	532072	176	6.01
4506195	proteasome beta 2 subunit [Homo sapiens	**0,961**	**-0,057**	17,343	4,6326119	400	22822	8	6.51
41406084	glutathione peroxidase 1 isoform 1 [Homo sapien	**0,961**	**-0,058**	6,732	….	217	22075	6	6.15
9845297	diablo isoform 1 precursor [Homo sapiens	**0,959**	**-0,060**	14,947	13,739797	320	27114	8	5.68
4504183	glutathione transferase [Homo sapiens	**0,959**	**-0,060**	19,637	5,4015358	6964	23341	13	5.43
24119203	tropomyosin 3 isoform 2 [Homo sapiens	**0,956**	**-0,065**	18,381	10,447234	1667	29015	28	4.75
4504763	integrin alpha-V isoform 1 precursor [Homo sapien	**0,955**	**-0,067**	10,404	….	245	115978	30	5.45
4502013	adenylate kinase 2 isoform a [Homo sapien	**0,954**	**-0,068**	10,694	….	393	26461	7	7.67
7656991	coronin, actin binding protein, 1C isoform 1 [Homo sapien	**0,953**	**-0,070**	14,772	….	251	53215	11	6.65
5729730	apoptosis inhibitor 5 isoform b [Homo sapien	**0,950**	**-0,073**	10,841	….	229	56735	13	5.72
23097250	TIP41, TOR signalling pathway regulator-like isoform 1 [Homo sapien	**0,950**	**-0,074**	7,000	….	87	31424	13	5.60
7657015	hypothetical protein LOC51493 [Homo sapiens	**0,950**	**-0,074**	16,207	….	248	55175	21	6.77
38327625	citrate synthase precursor [Homo sapiens	**0,948**	**-0,076**	15,591	….	299	51680	14	8.45
41872583	Rho-associated, coiled-coil containing protein kinase 2 [Homo sapien	**0,947**	**-0,079**	10,123	….	132	160799	28	5.75
4506063	cAMP-dependent protein kinase, regulatory subunit alpha 1 [Homo sapien	**0,944**	**-0,083**	15,624	1,6734824	236	42955	9	5.27
4885281	glutamate dehydrogenase 1 [Homo sapien	**0,944**	**-0,083**	18,871	13,113298	372	61359	15	7.66
4504327	mitochondrial trifunctional protein, beta subunit precursor [Homo sapier	**0,943**	**-0,084**	13,563	6,7226001	341	51262	20	9.45
7705827	SAR1a gene homolog 2 [Homo sapiens	**0,936**	**-0,095**	14,227	….	420	22396	8	5.76
134142815	es1 protein isoform Ia precursor [Homo sapien	**0,936**	**-0,096**	8,719	2,3570203	147	28153	7	8.50
5803023	lectin, mannose-binding 2 precursor [Homo sapien	**0,933**	**-0,100**	14,815	….	520	40203	11	6.46
28178821	isocitrate dehydrogenase 3, beta subunit isoform a precursor [Homo sapier	**0,930**	**-0,104**	12,745	….	223	42157	13	8.64
4506127	phosphoribosyl pyrophosphate synthetase 1 [Homo sapien	**0,927**	**-0,109**	18,051	….	574	34812	9	6.51
16933540	fibroblast activation protein, alpha subunit [Homo sapien	**0,925**	**-0,112**	16,962	….	829	87657	21	6.21
91984773	apolipoprotein A-I binding protein precursor [Homo sapien	**0,925**	**-0,112**	12,194	17,432826	239	31654	8	7.56
188497754	hexokinase 1 isoform HKI [Homo sapiens	**0,923**	**-0,116**	14,621	11,391045	520	102420	17	6.36
4758606	integrin-linked kinase [Homo sapiens	**0,922**	**-0,118**	14,498	10,016593	165	51386	21	8.30
4506057	cAMP-dependent protein kinase catalytic subunit beta isoform 2 [Homo sapier	**0,921**	**-0,119**	19,038	….	179	40597	14	8.84
4758012	clathrin heavy chain 1 [Homo sapiens	**0,921**	**-0,119**	19,634	18,394649	2605	191493	44	5.48
4506371	RAB5B, member RAS oncogene family [Homo sapiens	**0,920**	**-0,121**	10,745	….	353	23692	10	8.29
16507237	heat shock 70kDa protein 5 [Homo sapiens	**0,915**	**-0,127**	16,566	3,607444	6324	72288	52	5.07
18491024	dipeptidyl peptidase III [Homo sapien	**0,911**	**-0,134**	18,013	….	371	82538	16	5.02
4507651	tropomyosin 4 isoform 2 [Homo sapiens	**0,911**	**-0,134**	19,738	11,714771	787	28504	24	4.67
4503503	eukaryotic translation initiation factor 2B, subunit 1 alpha, 26kDa [Homo sapien	**0,911**	**-0,135**	19,150	….	87	33691	5	6.90

5453634	dynein, cytoplasmic, light intermediate polypeptide 2 [Homo sapier	**0,909**	**-0,137**	14,164	5,5951235	250	54066	13	5.97
4501891	actinin, alpha 1 isoform b [Homo sapiens	**0,905**	**-0,144**	18,893	6,7158548	5768	102993	54	5.25
5453832	hypoxia up-regulated 1 precursor [Homo sapien	**0,904**	**-0,145**	19,812	13,205607	1387	111266	37	5.16
4557809	ornithine aminotransferase precursor [Homo sapien	**0,903**	**-0,147**	16,992	....	380	48504	18	6.57
4502211	ADP-ribosylation factor 6 [Homo sapiens	**0,902**	**-0,149**	4,984	....	156	31492	6	8.58
4557817	3-oxoacid CoA transferase 1 precursor [Homo sapien	**0,901**	**-0,150**	17,080	....	261	56122	11	7.14
4502205	ADP-ribosylation factor 4 [Homo sapiens	**0,898**	**-0,155**	12,424	7,7663639	1626	20498	10	6.59
7705983	coatomer protein complex, subunit zeta 2 [Homo sapien	**0,897**	**-0,157**	10,389	....	145	23533	7	5.08
4504771	eukaryotic translation initiation factor 6 isoform a [Homo sapien	**0,897**	**-0,157**	13,924	1,3469789	353	26582	5	4.56
4503771	farnesyltransferase, CAAX box, alpha isoform a [Homo sapien	**0,897**	**-0,157**	19,462	....	302	44381	5	4.96
50428925	cytoskeleton associated protein 1 [Homo sapien	**0,897**	**-0,157**	19,942	....	163	27308	4	5.06
5174539	cytosolic malate dehydrogenase [Homo sapien	**0,894**	**-0,161**	17,602	14,874768	1000	36403	16	6.91
112380628	lysosomal-associated membrane protein 1 [Homo sapien	**0,891**	**-0,167**	18,502	15,987843	193	44854	6	9.00
8923417	ADP-ribosylhydrolase like 2 [Homo sapiens	**0,891**	**-0,167**	15,184	1,7678631	370	38922	10	4.95
33620730	kinesin light chain 1 isoform 1 [Homo sapiens	**0,890**	**-0,167**	5,979	....	210	63776	21	5.62
24308201	chromosome 20 open reading frame 3 [Homo sapien	**0,890**	**-0,169**	14,448	....	375	46451	15	5.82
6912396	glyoxylate reductase/hydroxypyruvate reductase [Homo sapien	**0,889**	**-0,170**	13,976	12,688558	333	35646	14	7.01
11995472	Ras-related GTP binding C [Homo sapiens	**0,887**	**-0,173**	10,555	....	282	44196	6	4.94
5453599	capping protein (actin filament) muscle Z-line, alpha 2 [Homo sapier	**0,883**	**-0,179**	16,157	....	757	32929	11	5.57
224496106	small fragment nuclease [Homo sapien	**0,883**	**-0,180**	16,963	5,5575214	513	26816	10	6.41
19923750	RAB3B, member RAS oncogene family [Homo sapiens	**0,883**	**-0,180**	9,810	....	120	24742	4	4.85
16306548	seryl-tRNA synthetase [Homo sapiens	**0,880**	**-0,184**	19,340	18,547701	348	58740	14	6.05
7705773	SH3-containing protein SH3GLB1 [Homo sapiens	**0,877**	**-0,189**	16,449	....	136	40771	8	5.78
5031599	actin related protein 2/3 complex subunit 2 [Homo sapien	**0,877**	**-0,190**	18,252	15,139553	1240	34311	24	6.84
33286418	pyruvate kinase, muscle isoform M2 [Homo sapien	**0,877**	**-0,190**	18,511	....	1899	57900	27	7.96
7706322	homeobox prox 1 [Homo sapiens	**0,871**	**-0,200**	19,874	3,2500637	900	28051	13	6.19
21359929	X-prolyl aminopeptidase (aminopeptidase P) 1, soluble [Homo sapier	**0,870**	**-0,201**	11,899	....	142	69873	15	5.42
6912586	6-phosphogluconolactonase [Homo sapiens	**0,869**	**-0,203**	17,852	10,578202	777	27530	8	5.70
71037379	liver glycogen phosphorylase [Homo sapien	**0,868**	**-0,204**	7,790	12,380394	356	97087	20	6.71
15626999	inosine triphosphatase isoform a [Homo sapien	**0,868**	**-0,205**	2,549	....	169	21432	5	5.50
4504175	glutathione S-transferase mu 2 isoform 1 [Homo sapien	**0,867**	**-0,205**	16,622	12,361229	760	25728	18	6.00
4507669	tumor protein, translationally-controlled 1 [Homo sapien	**0,866**	**-0,208**	11,613	7,3035459	766	19583	8	4.84
14210504	adaptor-related protein complex 1, mu 1 subunit isoform 2 [Homo sapier	**0,866**	**-0,208**	6,204	....	79	48556	6	6.82
5031981	proteasome 26S subunit, non-ATPase 14 [Homo sapiens	**0,864**	**-0,210**	19,444	....	601	34555	15	6.06
4503685	farnesyl diphosphate synthase isoform a [Homo sapien	**0,863**	**-0,213**	15,992	12,360125	209	48245	6	5.83
155030196	RAP1, GTP-GDP dissociation stimulator 1 isoform 3 [Homo sapien	**0,862**	**-0,215**	13,205	....	131	66275	10	5.17
5453998	importin 7 [Homo sapiens	**0,860**	**-0,217**	3,789	12,152574	606	119440	21	4.70
4503301	2,4-dienoyl CoA reductase 1 precursor [Homo sapien	**0,860**	**-0,217**	17,309	15,384972	224	36045	18	9.35
21361657	protein disulfide-isomerase A3 precursor [Homo sapien	**0,860**	**-0,218**	18,878	9,9402309	1750	56747	34	5.98
11386147	prosaposin isoform a preproprotein [Homo sapien	**0,860**	**-0,218**	18,804	1,2133641	252	58074	11	5.06
5031573	ARP3 actin-related protein 3 homolog [Homo sapien	**0,857**	**-0,223**	19,104	....	988	47341	18	5.61
7706441	vacuolar protein sorting 29 isoform 1 [Homo sapien	**0,857**	**-0,223**	9,164	....	285	20493	4	6.29
28933465	syntaxin 12 [Homo sapiens	**0,857**	**-0,223**	17,636	8,7892994	248	31622	7	5.45
32171186	B-cell receptor-associated protein 31 isoform b [Homo sapien	**0,857**	**-0,223**	16,712	....	577	27974	11	8.44
14249382	abhydrolase domain containing 14B [Homo sapien	**0,857**	**-0,223**	12,927	9,2759607	566	22332	5	5.94
5453710	LIM and SH3 protein 1 [Homo sapiens	**0,856**	**-0,224**	13,849	14,263947	580	29698	14	6.61
12056473	N-acetylneuraminic acid phosphate synthase [Homo sapien	**0,856**	**-0,224**	16,853	7,5803659	491	40281	8	6.29
4503729	FK506 binding protein 52 [Homo sapiens	**0,853**	**-0,230**	1,297	....	129	51772	9	5.35
7661922	RAB21, member RAS oncogene family [Homo sapien	**0,851**	**-0,233**	4,999	19,407088	469	24332	11	8.11
4503571	enolase 1 [Homo sapiens	**0,850**	**-0,235**	18,537	1,7917252	12893	47139	30	7.01
192448443	FK506 binding protein 10 [Homo sapiens	**0,849**	**-0,237**	10,203	....	306	64204	16	5.36
45827806	atlastin 3 [Homo sapiens	**0,848**	**-0,238**	3,572	6,594124	153	60503	11	5.43
4504221	guanylate kinase 1 isoform b [Homo sapien	**0,847**	**-0,240**	11,057	....	105	21712	9	6.11
4502107	annexin 5 [Homo sapiens	**0,846**	**-0,241**	19,680	5,8184832	10596	35914	27	4.94
4503513	eukaryotic translation initiation factor 3, subunit 2 beta, 36kDa [Homo sapier	**0,844**	**-0,245**	11,441	6,7877464	221	36479	11	5.38
10863945	ATP-dependent DNA helicase II [Homo sapien	**0,844**	**-0,245**	17,423	13,062138	547	82652	17	5.55
4757732	programmed cell death 8 isoform 1 [Homo sapien	**0,843**	**-0,246**	12,832	....	118	66859	11	9.04
4757756	annexin A2 isoform 2 [Homo sapiens	**0,843**	**-0,246**	12,832	....	368	38580	13	7.57
40068475	twinfilin 1 [Homo sapiens	**0,842**	**-0,248**	9,421	....	207	43891	12	8.64
4503481	eukaryotic translation elongation factor 1 gamma [Homo sapien	**0,841**	**-0,249**	19,499	2,7138797	830	50087	21	6.25
4503327	cytochrome b5 reductase 3 isoform m [Homo sapien	**0,840**	**-0,251**	19,720	0,8975483	2939	34213	15	7.18
26667183	calcium/calmodulin-dependent protein kinase II delta isoform 1 [Homo sapier	**0,840**	**-0,252**	5,778	19,708923	278	54093	14	6.82
19424132	NIMA-related kinase 7 [Homo sapiens	**0,838**	**-0,256**	18,185	....	242	34528	13	8.49
119372308	galactosidase, beta 1 isoform a preproprotein [Homo sapier	**0,835**	**-0,260**	11,642	14,646911	225	76027	11	6.10
19743813	integrin beta 1 isoform 1A precursor [Homo sapien	**0,832**	**-0,265**	15,057	13,960185	924	88357	18	5.27
13129092	transmembrane protein 109 [Homo sapien	**0,831**	**-0,267**	16,497	....	274	26194	7	10.48
5031593	actin related protein 2/3 complex subunit 5 [Homo sapien	**0,831**	**-0,268**	19,335	0,0840666	219	16310	6	5.47
14249348	thioredoxin-like 5 [Homo sapiens	**0,830**	**-0,269**	10,345	11,819277	139	13932	5	5.40
170932494	syntaxin 7 [Homo sapiens	**0,828**	**-0,273**	17,755	15,348345	258	29797	6	5.41
4503915	phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylar	**0,825**	**-0,277**	3,475	....	38	107699	9	6.26
4503477	eukaryotic translation elongation factor 1 beta 2 [Homo sapien	**0,824**	**-0,280**	7,651	3,2463663	1012	24748	7	4.50
4504523	heat shock 10kDa protein 1 [Homo sapiens	**0,822**	**-0,283**	14,069	16,41719	296	10925	6	8.89
21618349	mitogen-activated protein kinase kinase 3 isoform B [Homo sapien	**0,820**	**-0,286**	2,630	....	212	39293	9	7.05
32483377	peroxiredoxin 3 isoform b [Homo sapien	**0,818**	**-0,290**	19,290	4,828178	1855	25822	11	7.04
73486658	aspartate aminotransferase 2 precursor [Homo sapien	**0,817**	**-0,291**	10,340	7,0045268	270	47487	13	9.14
13654274	fumarylacetoacetate hydrolase domain containing 1 isoform 2 [Homo sapier	**0,817**	**-0,292**	8,928	....	264	24827	8	6.96
4505021	low density lipoprotein receptor-related protein associated protein 1 precursor [Homo sapie	**0,811**	**-0,303**	19,291	....	266	41441	14	8.73
776585	hydroxysteroid (17-beta) dehydrogenase 12 [Homo sapien	**0,807**	**-0,309**	19,542	....	692	34302	18	9.34
44680105	caldesmon 1 isoform 1 [Homo sapiens	**0,807**	**-0,309**	17,129	....	3034	93175	40	5.62
6912586	6-phosphogluconolactonase [Homo sapiens	**0,804**	**-0,315**	17,477	....	769	27530	11	5.70
4502315	ATPase, H+ transporting, lysosomal V1 subunit C1 [Homo sapien	**0,803**	**-0,317**	17,461	0,9893912	491	43914	18	7.02
4758220	XAP-5 protein [Homo sapiens	**0,802**	**-0,318**	18,719	....	79	40216	11	6.39
14141195	stromal cell-derived factor 2 precursor [Homo sapien	**0,799**	**-0,324**	6,929	....	331	23011	5	6.83
20336761	heme binding protein 1 [Homo sapien	**0,799**	**-0,325**	19,061	....	667	21084	9	5.71
4507877	vinculin isoform VCL [Homo sapiens	**0,796**	**-0,328**	12,443	1,9546793	2137	116649	59	5.83
5031571	actin-related protein 2 isoform b [Homo sapien	**0,794**	**-0,333**	13,929	....	486	44732	16	6.30
4505753	bisphosphoglycerate mutase 1 [Homo sapien	**0,794**	**-0,333**	19,913	19,285465	3426	28786	15	6.67
20070125	prolyl 4-hydroxylase, beta subunit precursor [Homo sapien	**0,791**	**-0,339**	16,639	6,6923851	2461	57081	34	4.76
4502923	calponin 3 [Homo sapiens	**0,789**	**-0,341**	16,609	....	48	36391	5	5.69
4826760	heterogeneous nuclear ribonucleoprotein F [Homo sapien	**0,789**	**-0,342**	3,989	....	420	45643	5	5.38
8922712	septin 11 [Homo sapiens	**0,789**	**-0,343**	18,893	3,1626923	557	49367	22	6.36
5453958	protein phosphatase 5, catalytic subunit [Homo sapien	**0,788**	**-0,344**	13,735	....	128	56842	8	5.88
5031597	actin related protein 2/3 complex subunit 3 [Homo sapien	**0,787**	**-0,346**	12,668	11,338125	553	20533	9	8.78
105990514	filamin B, beta (actin binding protein 278) [Homo sapien	**0,785**	**-0,349**	18,929	10,035923	1189	277990	64	5.47
4503841	ATP-dependent DNA helicase II, 70 kDa subunit [Homo sapien	**0,779**	**-0,360**	0,958	....	223	69799	14	6.23
40317626	thrombospondin 1 precursor [Homo sapien	**0,775**	**-0,368**	4,701	....	305	129300	18	4.71
4502227	ADP-ribosylation factor-like 1 [Homo sapien	**0,774**	**-0,369**	19,045	....	366	20404	7	5.63
7706318	dehydrogenase/reductase (SDR family) member 7 [Homo sapien	**0,770**	**-0,377**	14,932	12,646588	370	38274	12	8.59
5453790	nicotinamide N-methyltransferase [Homo sapien	**0,768**	**-0,381**	18,847	4,8026637	1351	29555	7	5.56
34147637	COP9 signalosome subunit 6 [Homo sapien	**0,767**	**-0,383**	8,324	....	122	36140	8	5.47
188035924	aldehyde dehydrogenase 7 family, member A1 [Homo sapien	**0,766**	**-0,384**	16,078	14,990251	403	58450	13	8.21
6598323	GDP dissociation inhibitor 2 isoform 1 [Homo sapien	**0,765**	**-0,387**	12,401	5,228469	1920	50631	28	6.11
77404397	staphylococcal nuclease domain containing 1 [Homo sapien	**0,764**	**-0,388**	10,706	17,647647	611	101934	22	6.74
4504061	glucosamine (N-acetyl)-6-sulfatase precursor [Homo sapien	**0,760**	**-0,395**	19,875	....	428	62042	13	8.60
19923881	glucosamine-6-phosphate deaminase 2 [Homo sapien	**0,759**	**-0,397**	9,127	....	207	31065	11	6.45
19913428	vacuolar H+ATPase B2 [Homo sapiens	**0,759**	**-0,398**	12,638	5,3092263	846	56465	19	5.57
4505641	proliferating cell nuclear antigen [Homo sapien	**0,757**	**-0,401**	19,867	....	193	28750	13	4.57
4885049	cardiac muscle alpha actin 1 proprotein [Homo sapien	**0,756**	**-0,403**	10,895	....	9296	41992	31	5.23
31543380	Parkinson disease protein 7 [Homo sapien	**0,756**	**-0,404**	19,333	9,9888939	709	19878	12	6.33
32307144	lysyl hydroxylase 1 precursor [Homo sapien	**0,755**	**-0,405**	5,398	....	289	83497	17	6.47
9951915	adenosylhomocysteinase isoform 1 [Homo sapien	**0,752**	**-0,411**	14,356	9,8799172	689	47685	14	5.92
4502011	adenylate kinase 1 [Homo sapiens	**0,751**	**-0,414**	16,461	15,299509	1149	21621	15	8.73
4507677	heat shock protein 90kDa beta, member 1 [Homo sapien	**0,742**	**-0,431**	13,548	10,676703	4010	92411	52	4.76
5174391	aldo-keto reductase family 1, member A1 [Homo sapien	**0,740**	**-0,434**	18,246	12,919722	641	36550	14	6.32
6912638	ras suppressor protein 1 isoform 1 [Homo sapien	**0,740**	**-0,434**	19,828	4,1013712	380	31521	10	8.57
21361621	phosphoglucomutase 1 [Homo sapien	**0,737**	**-0,439**	17,234	6,9007852	762	61411	27	6.30
21956645	myotrophin [Homo sapiens	**0,735**	**-0,445**	18,534	....	61	40015	5	5.40
4502101	annexin I [Homo sapiens	**0,732**	**-0,450**	19,851	4,053532	7409	38690	26	6.57
4507231	single-stranded DNA binding protein 1 [Homo sapien	**0,732**	**-0,450**	15,658	....	335	17249	7	9.59
6912328	dimethylarginine dimethylaminohydrolase 1 isoform 1 [Homo sapier	**0,731**	**-0,452**	14,037	....	118	31102	14	5.53
7669492	glyceraldehyde-3-phosphate dehydrogenase [Homo sapien	**0,730**	**-0,453**	18,448	0,2671332	42753	36030	27	8.57
4501887	actin, gamma 1 propeptide [Homo sapien	**0,728**	**-0,458**	18,675	....	4959	41766	27	5.31
4502679	CD63 antigen isoform A [Homo sapiens	**0,725**	**-0,464**	15,278	10,825243	962	25619	5	8.14
4502549	calmodulin 2 [Homo sapiens	**0,719**	**-0,476**	10,158	....	396	16827	5	4.09
61744475	solute carrier family 3, member 2 isoform a [Homo sapien	**0,719**	**-0,477**	18,058	12,045711	339	71079	13	4.84
4501885	beta actin [Homo sapiens	**0,718**	**-0,479**	19,999	0,2356882	16912	41710	33	5.29
4506061	AMP-activated protein kinase, noncatalytic gamma-1 subunit isoform 1 [Homo sapier	**0,716**	**-0,481**	6,231	....	249	37556	10	6.42
7549809	plastin 3 [Homo sapiens	**0,712**	**-0,490**	19,472	0,9055261	1177	70766	33	5.41
116805322	gamma filamin isoform a [Homo sapien	**0,711**	**-0,492**	18,257	19,748325	2770	290841	72	5.65
4885063	fructose-bisphosphate aldolase C [Homo sapien	**0,711**	**-0,493**	19,395	....	1173	39431	15	6.41
18201905	glucose phosphate isomerase [Homo sapien	**0,707**	**-0,501**	8,770	8,284852	1519	63107	26	8.43
32189392	peroxiredoxin 2 isoform a [Homo sapien	**0,704**	**-0,507**	18,269	....	1992	21878	11	5.66
33589854	biliverdin reductase A [Homo sapiens	**0,703**	**-0,508**	18,005	7,5486662	287	33407	9	6.06
49574502	cytochrome b5 reductase 1 [Homo sapiens	**0,701**	**-0,513**	17,146	1,1142607	453	34073	11	9.41
66392203	NME1-NME2 protein [Homo sapiens	**0,701**	**-0,513**	19,731	5,5096405	295	30118	9	9.06
11128019	cytochrome c [Homo sapiens	**0,698**	**-0,520**	12,764	3,5640027	220	11741	7	9.59
4502317	vacuolar H+ ATPase E1 isoform a [Homo sapiens	**0,697**	**-0,521**	19,444	6,3191884	575	26129	18	7.71
5031569	ARP1 actin-related protein 1 homolog A, centractin alpha [Homo sapier	**0,697**	**-0,521**	18,812	....	690	42587	15	6.19
41393608	reticulon 3 isoform b [Homo sapiens	**0,696**	**-0,522**	13,507	10,208914	114	110584	8	4.86
4557797	non-metastatic cells 1, protein (NM23A) expressed in isoform b [Homo sapier	**0,687**	**-0,542**	4,017	....	355	17138	6	5.83
38044288	gelsolin isoform b [Homo sapiens	**0,685**	**-0,546**	17,252	16,559872	2072	80591	35	5.58
4557235	acyl-Coenzyme A dehydrogenase, very long chain isoform 1 precursor [Homo sapier	**0,683**	**-0,550**	18,064	9,2588342	481	70345	23	8.92
4507149	superoxide dismutase 1, soluble [Homo sapien	**0,682**	**-0,552**	8,685	....	525	15926	3	5.70
4507645	triosephosphate isomerase 1 isoform 1 [Homo sapien	**0,681**	**-0,555**	19,093	16,568119	5508	26653	14	6.45
4758958	cAMP-dependent protein kinase, regulatory subunit alpha 2 [Homo sapien	**0,679**	**-0,558**	19,855	....	417	45490	10	4.96
19913424	ATPase, H+ transporting, lysosomal V1 subunit A [Homo sapien	**0,679**	**-0,559**	18,570	15,447948	1268	68260	32	5.35
4507791	ubiquitin-conjugating enzyme E2M [Homo sapien	**0,677**	**-0,563**	12,318	....	61	20887	6	7.57
11056044	pyrophosphatase 1 [Homo sapiens	**0,676**	**-0,564**	19,380	....	859	32639	19	5.54
4502011	adenylate kinase 1 [Homo sapiens	**0,670**	**-0,579**	17,700	....	986	21621	11	8.73

148352329	cell division cycle 10 isoform 2 [Homo sapiens	**0,662**	**-0,596**	15,375	3,8301719	359	50549	22	8.76
4501883	alpha 2 actin [Homo sapiens	**0,661**	**-0,597**	13,199	….	2826	41982	22	5.23
4758032	coatomer protein complex, subunit beta 2 (beta prime) [Homo sapier	**0,658**	**-0,603**	16,638	….	180	102422	18	5.15
5453595	adenylyl cyclase-associated protein [Homo sapien:	**0,657**	**-0,605**	17,730	….	416	51641	15	8.07
116063573	filamin A, alpha isoform 1 [Homo sapiens	**0,656**	**-0,608**	18,848	5,1313426	12591	279843	103	5.69
56682959	ferritin, heavy polypeptide 1 [Homo sapiens	**0,654**	**-0,613**	17,114	2,5996286	551	21212	6	5.30
14141166	poly(rC) binding protein 2 isoform b [Homo sapien:	**0,654**	**-0,614**	8,922	….	243	38197	5	6.33
20270343	ADP-ribosylation factor-like 8A [Homo sapiens	**0,651**	**-0,620**	9,460	….	425	21402	10	7.63
5174741	ubiquitin carboxyl-terminal esterase L3 [Homo sapien	**0,648**	**-0,626**	4,910	0,4248035	259	26166	7	4.84
17986258	myosin, light chain 6, alkali, smooth muscle and non-muscle isoform 1 [Homo sapier	**0,648**	**-0,627**	13,578	10,126235	670	16919	9	4.56
33286420	pyruvate kinase, muscle isoform M1 [Homo sapiens	**0,647**	**-0,627**	18,841	4,0180995	9242	58025	34	7.60
47933395	lanosterol synthase isoform 1 [Homo sapiens	**0,645**	**-0,633**	1,270	….	115	83255	9	6.16
33413400	esterase D/formylglutathione hydrolase [Homo sapien	**0,642**	**-0,639**	19,052	….	367	31442	11	6.54
4505763	phosphoglycerate kinase 1 [Homo sapiens	**0,641**	**-0,642**	16,476	….	2287	44586	28	8.30
4502171	adenine phosphoribosyltransferase isoform a [Homo sapien	**0,640**	**-0,643**	19,627	….	409	19595	8	5.78
8922601	ADP-ribosylation factor-like 10C [Homo sapiens	**0,636**	**-0,652**	17,512	….	602	21525	10	8.67
4757952	cell division cycle 42 isoform 1 [Homo sapiens	**0,635**	**-0,654**	13,545	….	546	21245	4	6.15
29568111	myosin regulatory light chain 9 isoform a [Homo sapien	**0,633**	**-0,659**	18,607	….	2258	19814	8	4.80
10716563	calnexin precursor [Homo sapiens	**0,627**	**-0,672**	18,241	15,234162	900	67526	18	4.47
7657069	ERO1-like [Homo sapiens	**0,626**	**-0,676**	16,275	8,2398414	262	54358	8	5.48
4758756	nucleosome assembly protein 1-like 1 [Homo sapien	**0,623**	**-0,683**	7,526	….	345	45346	6	4.36
194097323	mitochondrial short-chain enoyl-coenzyme A hydratase 1 precursor [Homo sapier	**0,622**	**-0,684**	19,814	10,000925	708	31367	13	8.34
33457348	hypothetical protein LOC56005 [Homo sapiens	**0,619**	**-0,692**	18,301	….	92	72334	9	5.89
23308751	3-hydroxyisobutyrate dehydrogenase [Homo sapien:	**0,619**	**-0,693**	17,410	1,8023049	896	35306	16	8.38
5453916	progesterone receptor membrane component 2 [Homo sapier	**0,618**	**-0,694**	18,732	6,9164544	1156	23804	9	4.76
4557305	fructose-bisphosphate aldolase A [Homo sapien:	**0,617**	**-0,696**	19,174	….	3906	39395	22	8.30
4557317	annexin A11 [Homo sapiens	**0,615**	**-0,701**	19,343	5,9879897	154	54355	11	7.53
20149498	ferritin, light polypeptide [Homo sapien:	**0,614**	**-0,704**	17,440	6,5848796	1114	20007	10	5.51
21464101	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, gamma polypeptide [Homo	**0,605**	**-0,726**	17,356	14,146894	1654	28285	17	4.80
4506925	SH3 domain binding glutamic acid-rich protein like [Homo sapien	**0,600**	**-0,736**	17,606	….	188	12766	5	5.22
4503971	GDP dissociation inhibitor 1 [Homo sapiens	**0,599**	**-0,739**	7,887	10,073593	765	50550	19	5.00
40806164	ubiquitin-conjugating enzyme E2 variant 1 isoform a [Homo sapien	**0,596**	**-0,748**	16,707	….	213	19295	8	8.73
4504011	glutamate-cysteine ligase regulatory protein [Homo sapien	**0,587**	**-0,767**	6,046	….	233	30708	6	5.69
5453740	myosin, light chain 12A, regulatory, non-sarcomeric [Homo sapien	**0,576**	**-0,795**	19,106	5,5520031	2416	19781	8	4.67
4507513	tissue inhibitor of metalloproteinase 3 precursor [Homo sapien	**0,576**	**-0,796**	18,367	….	144	24129	4	9.00
12667788	myosin, heavy polypeptide 9, non-muscle [Homo sapien	**0,575**	**-0,798**	16,828	2,2888144	21906	226392	168	5.50
41327710	v-crk sarcoma virus CT10 oncogene homolog isoform b [Homo sapien	**0,574**	**-0,802**	29,840	….	266	22892	6	5.33
4505585	platelet-activating factor acetylhydrolase, isoform Ib, beta subunit [Homo sapie	**0,571**	**-0,808**	16,775	….	513	25553	6	5.57
22538444	tumor protein p53 inducible protein 3 [Homo sapien	**0,570**	**-0,812**	14,906	….	108	35514	9	6.67
13236495	crystallin, zeta isoform a [Homo sapiens	**0,566**	**-0,821**	17,204	….	177	35185	14	8.56
7706497	UMP-CMP kinase 1 isoform a [Homo sapiens	**0,566**	**-0,821**	18,646	5,6844876	917	25838	10	8.14
156564357	NAD(P)H dehydrogenase, quinone 2 [Homo sapiens	**0,558**	**-0,841**	6,406	….	127	25902	8	5.88
11496885	PDZ and LIM domain 7 isoform 1 [Homo sapiens	**0,556**	**-0,847**	12,685	….	189	49813	11	8.76
4503139	cathepsin B preproprotein [Homo sapiens	**0,556**	**-0,848**	19,747	2,191872	5497	37797	8	5.88
93141047	collagen, type XII, alpha 1 long isoform precursor [Homo sapien	**0,552**	**-0,856**	16,644	18,432905	426	332941	43	5.38
7706497	UMP-CMP kinase 1 isoform a [Homo sapiens	**0,543**	**-0,880**	16,454	….	879	25838	16	8.14
72534712	endoplasmic reticulum-golgi intermediate compartment 32 kDa protein [Homo sapie	**0,542**	**-0,883**	19,401	19,361827	113	32571	7	6.59
5453549	peroxiredoxin 4 [Homo sapiens	**0,533**	**-0,909**	19,428	2,6570858	1121	30521	12	5.86
5032051	ribosomal protein S14 [Homo sapiens	**0,530**	**-0,915**	8,747	….	41	16263	6	10.07
5729770	tripeptidyl-peptidase I preproprotein [Homo sapien	**0,528**	**-0,921**	19,261	….	535	61210	8	6.01
14589866	aspartate beta-hydroxylase isoform a [Homo sapien	**0,516**	**-0,955**	1,425	17,82057	155	85809	15	4.92
14389309	tubulin alpha 6 [Homo sapiens	**0,506**	**-0,982**	18,000	8,563229	121	49863	6	4.96
24431933	reticulon 4 isoform B [Homo sapiens	**0,503**	**-0,992**	17,842	….	396	40293	10	4.71
153791352	prostate, ovary, testis expressed protein on chromosome 2 [Homo sapier	**0,497**	**-1,010**	13,110	….	130	121367	19	5.83
39777597	transglutaminase 2 isoform a [Homo sapiens	**0,494**	**-1,017**	19,823	….	881	77280	26	5.11
4503143	cathepsin D preproprotein [Homo sapiens	**0,489**	**-1,033**	19,678	1,4067284	1872	44524	13	6.10
5031777	isocitrate dehydrogenase 3 (NAD+) alpha precursor [Homo sapien	**0,484**	**-1,046**	16,976	….	940	39566	13	6.47
33598968	LIM domain only 7 isoform 1 [Homo sapiens	**0,476**	**-1,070**	17,310	….	455	153575	18	7.90
4503057	crystallin, alpha B [Homo sapiens	**0,473**	**-1,081**	18,048	….	1018	20146	12	6.76
94557308	L-3-hydroxyacyl-Coenzyme A dehydrogenase precursor [Homo sapien	**0,457**	**-1,131**	2,320	0,3972	549	34272	12	8.88
166795301	prenylcysteine oxidase 1 [Homo sapiens	**0,456**	**-1,133**	19,240	5,6882285	383	56604	9	5.80
7330335	chloride intracellular channel 4 [Homo sapiens	**0,447**	**-1,163**	19,236	5,4798696	1161	28754	15	5.45
5031873	lectin, mannose-binding, 1 precursor [Homo sapien:	**0,438**	**-1,189**	19,973	….	134	57513	12	6.30
47519616	tropomyosin 2 (beta) isoform 2 [Homo sapien:	**0,436**	**-1,198**	19,573	17,479819	1938	32970	35	4.63
4504517	heat shock protein beta-1 [Homo sapiens	**0,430**	**-1,218**	19,699	4,0738691	3581	22768	14	5.98
189181666	hexosaminidase A preproprotein [Homo sapien	**0,420**	**-1,250**	10,547	19,80826	138	60664	9	5.04
15149465	caldesmon 1 isoform 5 [Homo sapiens	**0,419**	**-1,255**	18,996	0,8319837	3068	61176	40	6.40
5031857	L-lactate dehydrogenase A isoform 1 [Homo sapien:	**0,403**	**-1,310**	19,593	….	130	36665	6	8.44
4504373	hexosaminidase B preproprotein [Homo sapien	**0,402**	**-1,315**	19,596	9,1126106	1344	63071	24	6.29
4758638	peroxiredoxin 6 [Homo sapiens	**0,383**	**-1,386**	17,257	….	5573	25019	19	6.00
21361120	calponin 1, basic, smooth muscle [Homo sapiens	**0,383**	**-1,386**	13,122	….	211	33150	9	9.14
19923437	adenylate kinase 3 [Homo sapiens	**0,367**	**-1,445**	15,674	9,6800219	753	25550	19	9.15
37655183	N-myc downstream regulated 1 [Homo sapien:	**0,361**	**-1,469**	1,935	….	259	42808	7	5.49
63252900	tropomyosin 1 alpha chain isoform 4 [Homo sapien:	**0,347**	**-1,526**	8,174	16,164111	1912	32856	35	4.72
29788785	tubulin, beta [Homo sapiens	**0,346**	**-1,532**	18,916	….	38	49639	7	4.78
156104878	glutaminase [Homo sapiens	**0,346**	**-1,532**	18,897	9,7612704	263	73414	12	7.85
17738302	alpha 1 type VIII collagen precursor [Homo sapien:	**0,337**	**-1,570**	2,791	8,9814839	217	73317	5	9.62
5803011	enolase 2 [Homo sapiens	**0,335**	**-1,576**	0,142	….	2414	47239	13	4.91
39995109	GM2 ganglioside activator precursor [Homo sapien:	**0,333**	**-1,587**	2,718	….	114	20825	5	5.17
119393891	acid alpha-glucosidase preproprotein [Homo sapien	**0,320**	**-1,643**	3,079	17,742462	119	105257	6	5.62
160420317	filamin A, alpha isoform 2 [Homo sapiens	**0,313**	**-1,676**	4,240	….	216	280564	29	5.70
34098946	nuclease sensitive element binding protein 1 [Homo sapien	**0,310**	**-1,691**	39,232	….	420	35903	9	9.87
66932947	alpha-2-macroglobulin precursor [Homo sapien:	**0,292**	**-1,778**	12,087	….	281	163189	8	6.00
5031631	scavenger receptor class B, member 2 [Homo sapien	**0,290**	**-1,785**	16,933	….	480	54255	8	5.00
27734917	phospholipase B domain containing 2 [Homo sapien:	**0,288**	**-1,793**	18,411	19,45091	470	65430	15	6.53
24475586	ependymin related protein 1 precursor [Homo sapien	**0,268**	**-1,897**	14,524	….	400	38126	9	9.66
7657309	LIM and cysteine-rich domains 1 [Homo sapiens	**0,266**	**-1,910**	3,926	….	115	40806	4	8.27
6005990	arylsulfatase A isoform a precursor [Homo sapiens	**0,207**	**-2,275**	11,597	….	577	53554	9	5.65
4758112	HLA-B associated transcript 1 [Homo sapiens]	**0,204**	**-2,293**	6,753	….	245	48960	16	5.44
33636742	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2 isoform a precursor [Homo sapiens]	**0,162**	**-2,622**	14,995	….	280	87043	24	6.24
8051579	adenylate kinase 3-like 1 isoform 6 [Homo sapiens]	**0,157**	**-2,669**	10,060	….	106	25252	8	8.47
54607043	glucocerebrosidase precursor [Homo sapiens]	**0,134**	**-2,897**	19,245	19,356126	62	59678	4	7.29

Supplementary Table S2. Proteins identified after comparing the proteome of human skin fibroblasts from a 14-year-old female HGPS patient (AG01972) versus cells from a 13-year-old female healthy control (GM01651).

Accession Number (gi)	Protein Name	SILAC ratio	logFC	RSD (we)	RSD (be)	Mascot Score	Mw (Da)	Number of peptides	Isoelectric point
124494247	myosin IC isoform b [Homo sapiens]	6,111	2,611	19,753	…	468	119554	21	5,5
44680105	caldesmon 1 isoform 1 [Homo sapiens]	5,992	2,583	12,885	9,341	920	93175	32	8,57
5453710	LIM and SH3 protein 1 [Homo sapiens]	5,781	2,531	16,117	…	329	29698	8	6,84
32454741	serine (or cysteine) proteinase inhibitor, clade H, member 1 precursor [Homo sa	5,604	2,486	19,994	8,053	2396	46411	26	5,49
108773793	glucose-6-phosphate dehydrogenase isoform b [Homo sapiens]	5,102	2,351	15,833	…	267	59219	25	6,1
31542947	chaperonin [Homo sapiens]	5,062	2,340	18,712	…	2733	61016	34	8,02
56237029	integrin alpha 5 precursor [Homo sapiens]	4,726	2,241	11,579	…	48	114465	10	7,96
163965366	nascent polypeptide-associated complex alpha subunit isoform a [Homo sapien	4,269	2,094	19,012	…	455	205295	22	5,25
47519639	microtubule-associated protein 4 isoform 1 [Homo sapiens]	3,827	1,936	6,016	…	112	120930	19	7,66
15149465	caldesmon 1 isoform 5 [Homo sapiens]	3,767	1,914	10,143	…	920	61176	33	8,54
4505415	NAD(P)H menadione oxidoreductase 1, dioxin-inducible isoform a [Homo sapie	3,705	1,890	19,916	18,794	2735	30848	13	4,77
6912582	penta-EF-hand domain containing 1 [Homo sapiens]	3,682	1,881	5,662	…	100	30361	4	5,95
4758868	prolyl 4-hydroxylase, alpha II subunit isoform 1 precursor [Homo sapiens]	3,652	1,869	16,200	…	401	60864	11	5,69
4758950	peptidylprolyl isomerase B precursor [Homo sapiens]	3,619	1,856	18,066	17,524	1073	23728	15	10,21
4885409	high density lipoprotein binding protein [Homo sapiens]	3,457	1,789	18,688	13,645	314	141352	41	6,23
4557469	adaptor-related protein complex 2, beta 1 subunit isoform b [Homo sapiens]	3,409	1,769	19,665	19,659	837	104486	32	5,96
46367787	poly(A) binding protein, cytoplasmic 1 [Homo sapiens]	3,343	1,741	2,328	…	200	70626	22	5,5
40805868	tumor protein D52-like 2 isoform c [Homo sapiens]	3,277	1,713	18,043	…	557	23772	14	9,59
11559929	coatomer protein complex, subunit gamma 1 [Homo sapiens]	3,277	1,712	12,833	9,733	554	97655	21	6,54
13904870	ribosomal protein S5 [Homo sapiens]	3,265	1,707	8,310	…	297	22862	9	4,64
124494238	myosin IC isoform a [Homo sapiens]	3,231	1,692	17,334	…	1667	121606	43	9,66
186928835	leprecan 1 isoform 1 [Homo sapiens]	3,204	1,680	10,724	…	110	83341	13	6,08
21361091	ubiquitin carboxyl-terminal esterase L1 [Homo sapiens]	3,194	1,676	18,911	…	321	24808	11	9,81
7305053	myoferlin isoform a [Homo sapiens]	3,107	1,636	19,406	4,985	2757	234561	72	5,57
148727247	ubiquitin specific peptidase 5 isoform 2 [Homo sapiens]	3,060	1,614	2,489	…	173	93248	14	8,23
110349772	alpha 1 type I collagen preproprotein [Homo sapiens]	2,967	1,569	17,806	10,858	397	138827	28	8,5
48762934	alpha 2 type I collagen [Homo sapiens]	2,953	1,562	8,730	…	288	129235	15	4,56
23065552	glutathione S-transferase mu 3 [Homo sapiens]	2,945	1,558	17,031	…	534	26542	11	6,67
4757838	BCL2-associated X protein isoform beta [Homo sapiens]	2,900	1,536	18,221	…	746	24204	7	9,68
7705369	coatomer protein complex, subunit beta 1 [Homo sapiens]	2,808	1,489	9,336	8,129	274	107074	26	5,45
110624774	mannose receptor, C type 2 [Homo sapiens]	2,779	1,475	18,723	…	184	166568	8	6,36
4503483	eukaryotic translation elongation factor 2 [Homo sapiens]	2,772	1,471	17,782	18,366	2560	95277	40	11,65
55956788	nucleolin [Homo sapiens]	2,758	1,464	2,687	…	641	76568	20	7,18
166235148	osteoclast stimulating factor 1 [Homo sapiens]	2,739	1,454	19,637	…	197	23772	6	6,53
31621305	leucine-rich PPR motif-containing protein [Homo sapiens]	2,000	1,000	13,870	…	248	157805	25	5,67
10801345	eukaryotic translation initiation factor 3, subunit 12 [Homo sapiens]	2,649	1,406	16,762	…	383	25043	6	6,84
15431295	ribosomal protein L13 [Homo sapiens]	2,639	1,400	7,827	1,452	232	24247	11	6,78
78000181	ribosomal protein L14 [Homo sapiens]	2,601	1,379	18,577	…	640	23417	7	4,87
38569423	ATP citrate lyase isoform 2 [Homo sapiens]	2,594	1,375	6,225	…	811	119695	39	4,47
29826335	eukaryotic translation initiation factor 2 beta [Homo sapiens]	2,566	1,360	0,228	…	129	38364	9	7,95
14141161	heterogeneous nuclear ribonucleoprotein U isoform b [Homo sapiens]	2,551	1,351	7,761	…	106	88924	7	6,13
48255937	CD44 antigen isoform 2 precursor [Homo sapiens]	2,536	1,343	4,441	…	68	76565	6	5,12
116256489	septin 9 isoform c [Homo sapiens]	2,518	1,332	15,378	…	220	63626	14	8,76
4758304	protein disulfide isomerase A4 [Homo sapiens]	2,504	1,324	18,565	8,636	612	72887	27	5,79
42491362	IKK interacting protein isoform 2 [Homo sapiens]	2,494	1,319	14,391	…	744	39285	19	5,58
110611218	ribosome binding protein 1 [Homo sapiens]	2,429	1,280	19,740	12,716	626	108589	27	8,44
4557317	annexin A11 [Homo sapiens]	2,414	1,271	18,119	12,303	137	54355	12	9,48
4506667	ribosomal protein P0 [Homo sapiens]	2,411	1,270	13,178	2,431	678	34252	10	9,71
40254924	leucine rich repeat containing 59 [Homo sapiens]	2,400	1,263	18,628	2,696	581	34909	8	9,18
4506723	ribosomal protein S3a [Homo sapiens]	2,399	1,262	17,598	15,822	441	29926	12	5,68
47717100	ATPase, H+ transporting, lysosomal 50/57kDa, V1 subunit H isoform 2 [Homo s	2,395	1,260	18,449	…	247	54116	9	4,7
4506127	phosphoribosyl pyrophosphate synthetase 1 [Homo sapiens]	2,379	1,251	18,601	…	385	34812	11	5,06
5031873	lectin, mannose-binding, 1 precursor [Homo sapiens]	2,378	1,250	0,467	…	109	57513	13	4,76
79750824	hypothetical protein LOC64855 isoform 2 [Homo sapiens]	2,346	1,230	16,338	…	442	82631	16	4,8
14141193	ribosomal protein S9 [Homo sapiens]	2,329	1,220	19,630	…	260	22578	17	5,47
71773415	annexin VI isoform 2 [Homo sapiens]	2,326	1,218	19,177	…	3128	75229	42	8,73
38569421	ATP citrate lyase isoform 1 [Homo sapiens]	2,285	1,192	16,078	…	462	120762	21	5,27
21361322	tubulin, beta 4 [Homo sapiens]	2,272	1,184	0,353	…	4245	49554	18	5,61
63252891	prolyl 4-hydroxylase, alpha II subunit isoform 2 precursor [Homo sapiens]	2,263	1,178	13,323	…	523	60595	19	6,13
4758158	septin 2 [Homo sapiens]	2,247	1,168	12,634	…	515	41461	14	5,96
5453832	hypoxia up-regulated 1 precursor [Homo sapiens]	2,222	1,152	8,707	6,533	707	111266	40	6,11
4507357	transgelin 2 [Homo sapiens]	2,219	1,150	16,200	…	3350	22377	16	10,61
24431935	reticulon 4 isoform A [Homo sapiens]	2,212	1,146	19,222	…	749	129851	18	8,78
4506707	ribosomal protein S25 [Homo sapiens]	2,209	1,143	13,081	…	129	13734	7	6,89
156564401	vesicle-fusing ATPase [Homo sapiens]	2,204	1,140	12,621	…	102	82542	20	5,2
4506365	RAB2A, member RAS oncogene family [Homo sapiens]	2,182	1,125	19,707	2,219	1114	23531	11	7,26
4506661	ribosomal protein L7a [Homo sapiens]	2,174	1,121	18,977	13,201	940	29977	12	10,17
47132587	protein kinase C, delta binding protein [Homo sapiens]	2,168	1,116	19,251	18,001	738	27685	12	6,77
156104878	glutaminase [Homo sapiens]	2,168	1,116	12,885	8,401	192	73414	14	5,18
71773329	annexin VI isoform 1 [Homo sapiens]	2,168	1,116	17,758	…	3804	75826	45	6,25
223890243	ribosomal protein L10 [Homo sapiens]	2,167	1,116	18,616	…	417	24588	9	7
4501853	acetyl-Coenzyme A acyltransferase 1 isoform a [Homo sapiens]	2,161	1,112	14,151	…	116	44264	5	6
21614499	ezrin [Homo sapiens]	2,158	1,110	18,359	17,664	1479	69370	32	6,36
14210536	tubulin, beta 6 [Homo sapiens]	2,149	1,104	17,866	…	3713	49825	20	9,43
33620775	kinectin 1 isoform a [Homo sapiens]	2,149	1,103	7,934	…	519	156179	36	8,87
4758256	eukaryotic translation initiation factor 2, subunit 1 alpha, 35kDa [Homo sapiens]	2,132	1,093	9,902	…	251	36089	11	9,37
14165469	ribosomal protein S15a [Homo sapiens]	2,112	1,079	17,723	…	237	14830	7	6,9
20149594	heat shock 90kDa protein 1, beta [Homo sapiens]	2,107	1,075	17,710	12,943	3133	83212	47	8,16
4504763	integrin alpha-V isoform 1 precursor [Homo sapiens]	2,093	1,065	13,189	5,058	329	115978	21	6,52
9845502	ribosomal protein SA [Homo sapiens]	2,091	1,064	16,620	2,857	407	32833	13	9,44
17105394	ribosomal protein L23a [Homo sapiens]	2,076	1,054	8,955	…	135	17684	9	5,34
155969707	insulin-degrading enzyme [Homo sapiens]	2,067	1,048	12,674	…	46	117893	6	5,66
4758516	hepatoma-derived growth factor isoform a [Homo sapiens]	2,063	1,045	7,499	…	225	26772	12	5,27
23308577	phosphoglycerate dehydrogenase [Homo sapiens]	2,061	1,043	5,859	8,283	304	56614	15	8,92
17402893	phosphoserine aminotransferase 1 isoform 1 [Homo sapiens]	2,036	1,026	18,372	7,239	165	40397	13	8,29
94429050	SEC22 vesicle trafficking protein homolog B [Homo sapiens]	2,035	1,025	19,809	4,815	1230	24578	10	6
7705704	glutathione S-transferase kappa 1 isoform a [Homo sapiens]	2,033	1,023	18,824	…	677	25480	11	5,09
17158044	ribosomal protein S6 [Homo sapiens]	2,022	1,015	19,840	…	285	28663	13	4,71
5453629	dynactin 2 [Homo sapiens]	2,014	1,010	19,831	…	353	44792	11	9,76
4757756	annexin A2 isoform 2 [Homo sapiens]	2,009	1,006	19,910	1,844	13013	38580	33	5,38
4506609	ribosomal protein L19 [Homo sapiens]	2,008	1,006	19,433	…	337	23451	11	5,22
162951877	scinderin isoform 1 [Homo sapiens]	2,006	1,004	16,471	14,780	703	80438	29	5,66
4506467	radixin [Homo sapiens]	2,003	1,002	16,263	…	577	68521	22	6,32
4502101	annexin I [Homo sapiens]	2,002	1,002	19,568	19,358	4808	38690	23	5,5
15431293	ribosomal protein L15 [Homo sapiens]	1,990	0,993	15,651	…	232	24247	11	8,11
50428925	cytoskeleton associated protein 1 [Homo sapiens]	1,986	0,990	15,118	…	159	27308	12	4,56
15055539	ribosomal protein S2 [Homo sapiens]	1,975	0,982	18,040	7,375	770	31305	13	5,96
4885079	ATP synthase, H+ transporting, mitochondrial F1 complex, gamma subunit isof	1,969	0,978	17,640	9,493	171	32860	10	7,6
5454090	signal sequence receptor, delta [Homo sapiens]	1,959	0,970	5,246	…	152	18987	4	8,69
19920317	cytoskeleton-associated protein 4 [Homo sapiens]	1,954	0,967	18,963	18,270	2281	65983	37	7,01
4507651	tropomyosin 4 isoform 2 [Homo sapiens]	1,940	0,956	19,614	18,254	1555	28504	22	11,03
157168362	nucleoside phosphorylase [Homo sapiens]	1,939	0,955	8,296	…	323	32097	15	6,7
34147630	Tu translation elongation factor, mitochondrial precursor [Homo sapiens]	1,936	0,953	5,817	…	159	49843	7	5,56
116256327	membrane metallo-endopeptidase [Homo sapiens]	1,932	0,950	18,242	4,336	1568	85460	25	5,68
4504747	integrin alpha 3 isoform a precursor [Homo sapiens]	1,931	0,949	10,888	…	137	116538	7	10,12
47933379	N-ethylmaleimide-sensitive factor attachment protein, alpha [Homo sapiens]	1,931	0,949	9,420	5,197	1155	33211	16	5,48
61743954	AHNAK nucleoprotein isoform 1 [Homo sapiens]	1,929	0,948	19,169	3,615	3409	628699	166	5,49
4507115	fascin 1 [Homo sapiens]	1,927	0,947	19,041	19,588	447	54496	16	4,94
34335134	SEC13 protein isoform 1 [Homo sapiens]	1,923	0,943	18,284	…	83	35518	2	5,71
50592996	tubulin, beta, 4 [Homo sapiens]	1,915	0,937	19,328	5,538	5041	50400	22	4,46
4826960	glutaminyl-tRNA synthetase [Homo sapiens]	1,908	0,932	11,335	…	271	87743	21	5,78
214010226	ribosomal protein S24 isoform d [Homo sapiens]	1,903	0,928	13,576	…	133	32410	7	5,3
22267436	nipsnap homolog 3A [Homo sapiens]	1,900	0,926	10,352	…	274	28449	12	5,34
156071459	solute carrier family 25, member 5 [Homo sapiens]	1,896	0,923	14,141	…	240	32831	17	8,67
4506743	ribosomal protein S8 [Homo sapiens]	1,895	0,922	18,639	5,561	587	24190	11	4,85
4557014	catalase [Homo sapiens]	1,889	0,918	18,927	…	137	59719	5	6,25
41872631	fatty acid synthase [Homo sapiens]	1,886	0,916	18,258	13,076	757	273254	40	6,27
11968182	ribosomal protein S18 [Homo sapiens]	1,877	0,909	12,477	12,239	71	17708	4	4,74
222136639	methylenetetrahydrofolate dehydrogenase 1 [Homo sapiens]	1,869	0,902	9,416	…	213	101467	16	5,06
21361619	toll interacting protein [Homo sapiens]	1,852	0,889	15,785	…	131	30262	11	5,9
13259508	dynactin 1 isoform 2 [Homo sapiens]	1,844	0,883	15,176	…	405	127325	21	5,36
16753227	ribosomal protein L6 [Homo sapiens]	1,832	0,873	16,742	7,898	912	32708	14	5,09
4505541	USO1 homolog, vesicle docking protein [Homo sapiens]	1,821	0,865	11,600	11,447	395	107840	13	5,02
4506623	ribosomal protein L27 [Homo sapiens]	1,815	0,860	17,510	…	68	15788	8	4,83
42734430	polymerase I and transcript release factor [Homo sapiens]	1,815	0,860	15,038	15,550	3236	43450	13	8,24
4506649	ribosomal protein L3 isoform a [Homo sapiens]	1,815	0,860	9,793	…	110	46080	9	6,71
154146191	heat shock 90kDa protein 1, alpha isoform 2 [Homo sapiens]	1,812	0,857	19,246	2,696	3140	84607	45	5,69
4503727	FK506 binding protein 3, 25kDa [Homo sapiens]	1,808	0,854	16,244	…	111	11943	3	9,21
87196339	collagen, type VI, alpha 1 precursor [Homo sapiens]	1,807	0,854	19,296	18,063	2167	108462	29	5,86
4757774	ADP-ribosylation factor-like 3 [Homo sapiens]	1,802	0,850	3,459	…	234	20443	9	10,66
4506725	ribosomal protein S4, X-linked X isoform [Homo sapiens]	1,801	0,848	15,860	…	575	29579	16	5,31
115387104	aldehyde dehydrogenase 9A1 [Homo sapiens]	1,783	0,835	18,043	…	238	56255	10	5,87
219555707	eukaryotic translation initiation factor 5A isoform A [Homo sapiens]	1,777	0,829	15,268	…	452	20157	7	5,65
4506663	ribosomal protein L8 [Homo sapiens]	1,777	0,829	12,758	…	146	28007	12	9,21
4758648	kinesin family member 5B [Homo sapiens]	1,776	0,829	19,917	17,690	611	109617	33	4,73
4757810	ATP synthase, H+ transporting, mitochondrial F1 complex, alpha subunit precu	1,775	0,828	15,495	13,225	2415	59714	27	5,09

4506607	ribosomal protein L18 [Homo sapiens]	**1,774**	**0,827**	**19,837**	…	1054	21621	9	9,75
28872725	proteasome 26S non-ATPase subunit 11 [Homo sapiens]	**1,771**	**0,824**	**12,964**	…	314	47434	11	4,36
4503513	eukaryotic translation initiation factor 3, subunit 2 beta, 36kDa [Homo sapiens]	**1,767**	**0,821**	**12,110**	15,507	123	36479	8	10,94
15431303	ribosomal protein L9 [Homo sapiens]	**1,766**	**0,820**	**14,522**	…	468	21850	9	5,55
15431288	ribosomal protein L10a [Homo sapiens]	**1,765**	**0,820**	**12,956**	3,841	321	24816	10	5,35
5803181	stress-induced-phosphoprotein 1 (Hsp70/Hsp90-organizing protein) [Homo sap	**1,765**	**0,819**	**10,624**	…	152	62599	22	7,29
23110942	proteasome alpha 5 subunit [Homo sapiens]	**1,760**	**0,816**	**4,167**	…	366	26394	7	8,57
5453555	ras-related nuclear protein [Homo sapiens]	**1,760**	**0,816**	**13,671**	…	172	24408	8	5,7
4503519	eukaryotic translation initiation factor 3, subunit 5 epsilon, 47kDa [Homo sapien	**1,758**	**0,814**	**3,431**	…	727	37540	8	6,95
4503481	eukaryotic translation elongation factor 1 gamma [Homo sapiens]	**1,758**	**0,814**	**15,134**	15,862	456	50087	19	4,81
7661714	family with sequence similarity 3, member C precursor [Homo sapiens]	**1,757**	**0,813**	**19,814**	…	376	24665	8	8,75
14389309	tubulin alpha 6 [Homo sapiens]	**1,751**	**0,808**	**19,739**	…	11073	49863	20	7,09
4506741	ribosomal protein S7 [Homo sapiens]	**1,748**	**0,806**	**18,911**	…	508	22113	12	10,59
4507729	tubulin, beta 2 [Homo sapiens]	**1,748**	**0,805**	**3,792**	…	5840	49875	21	11,73
4506597	ribosomal protein L12 [Homo sapiens]	**1,739**	**0,798**	**7,928**	…	325	17808	7	5,23
4506675	ribophorin I precursor [Homo sapiens]	**1,739**	**0,798**	**19,537**	8,090	896	68527	31	10,32
127139033	cytochrome P450 reductase [Homo sapiens]	**1,732**	**0,792**	**8,959**	…	227	76999	11	5,78
4758958	cAMP-dependent protein kinase, regulatory subunit alpha 2 [Homo sapiens]	**1,731**	**0,792**	**11,146**	…	312	45490	14	4,39
4504505	hydroxysteroid (17-beta) dehydrogenase 4 [Homo sapiens]	**1,726**	**0,788**	**18,125**	19,972	505	79636	14	8,41
14251209	chloride intracellular channel 1 [Homo sapiens]	**1,718**	**0,781**	**18,494**	15,329	649	26906	8	5,81
4506605	ribosomal protein L23 [Homo sapiens]	**1,717**	**0,780**	**13,314**	…	224	14856	5	5,8
15718687	ribosomal protein S3 [Homo sapiens]	**1,715**	**0,778**	**15,799**	11,182	645	26671	15	6,43
5031601	actin related protein 2/3 complex subunit 1B [Homo sapiens]	**1,704**	**0,769**	**11,136**	…	118	40923	6	5,83
109148508	otubain 1 [Homo sapiens]	**1,696**	**0,762**	**10,286**	…	162	31264	5	9,61
38202214	SEC23-related protein A [Homo sapiens]	**1,679**	**0,747**	**18,735**	16,727	505	86105	14	5,31
50845388	annexin A2 isoform 1 [Homo sapiens]	**1,675**	**0,744**	**19,007**	…	3158	40386	33	5,45
23397427	synaptotagmin binding, cytoplasmic RNA interacting protein [Homo sapiens]	**1,674**	**0,744**	**4,022**	18,598	257	69590	13	5,85
21361462	EH-domain containing 2 [Homo sapiens]	**1,671**	**0,740**	**17,958**	10,004	761	61123	25	8,62
20070197	dolichyl-diphosphooligosaccharide-protein glycosyltransferase precursor [Homc	**1,667**	**0,737**	**16,096**	6,149	740	50670	13	6,29
15149476	arginyl-tRNA synthetase [Homo sapiens]	**1,665**	**0,736**	**9,087**	17,731	372	75331	28	5,49
21361565	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit B1 precurso	**1,663**	**0,734**	**19,430**	6,621	835	28890	13	5,32
4505143	cytosolic malic enzyme 1 [Homo sapiens]	**1,659**	**0,730**	**8,801**	…	560	64109	13	5,42
19923231	RAB6A, member RAS oncogene family isoform a [Homo sapiens]	**1,656**	**0,727**	**12,069**	…	760	23534	15	8,97
5803187	transaldolase 1 [Homo sapiens]	**1,654**	**0,726**	**19,724**	1,464	439	37516	24	4,97
19743813	integrin beta 1 isoform 1A precursor [Homo sapiens]	**1,653**	**0,725**	**19,007**	16,619	825	88357	18	4,88
96975097	RAB6B, member RAS oncogene family [Homo sapiens]	**1,651**	**0,723**	**7,736**	…	318	23447	6	6,24
153945728	microtubule-associated protein 1B [Homo sapiens]	**1,648**	**0,721**	**19,980**	…	180	270468	16	6,67
19743875	fumarate hydratase precursor [Homo sapiens]	**1,645**	**0,718**	**19,714**	…	322	54602	13	7,02
19923315	serine hydroxymethyltransferase 2 (mitochondrial) [Homo sapiens]	**1,639**	**0,713**	**19,553**	…	348	55958	16	6,35
4505891	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 3 precursor [Homo sapiens]	**1,636**	**0,710**	**18,992**	13,648	321	84731	24	6,16
4506691	ribosomal protein S16 [Homo sapiens]	**1,634**	**0,708**	**17,124**	…	162	16435	8	6,9
169404009	signal sequence receptor, alpha [Homo sapiens]	**1,626**	**0,701**	**4,142**	4,148	354	32215	3	5,51
93141047	collagen, type XII, alpha 1 long isoform precursor [Homo sapiens]	**1,625**	**0,700**	**19,575**	1,594	221	332941	42	8,85
4503471	eukaryotic translation elongation factor 1 alpha 1 [Homo sapiens]	**1,620**	**0,696**	**18,409**	6,684	1480	50109	14	5,46
11415026	ribosomal protein L18a [Homo sapiens]	**1,603**	**0,681**	**16,356**	…	88	20749	10	5,02
32307144	lysyl hydroxylase 1 precursor [Homo sapiens]	**1,596**	**0,675**	**19,420**	14,346	574	83497	33	6,46
7705885	vacuolar protein sorting 28 isoform 1 [Homo sapiens]	**1,595**	**0,674**	**12,910**	…	147	25409	11	8,45
4502303	mitochondrial ATP synthase, O subunit precursor [Homo sapiens]	**1,593**	**0,672**	**16,489**	…	524	23263	13	9,42
19557691	surfeit 4 [Homo sapiens]	**1,580**	**0,660**	**11,600**	…	671	30374	7	6,46
7705827	SAR1a gene homolog 2 [Homo sapiens]	**1,578**	**0,658**	**3,827**	…	343	22396	9	5,84
4506003	protein phosphatase 1, catalytic subunit, alpha isoform 1 [Homo sapiens]	**1,561**	**0,643**	**19,052**	…	694	37488	11	6,29
5453990	proteasome activator subunit 1 isoform 1 [Homo sapiens]	**1,555**	**0,637**	**19,702**	…	592	28705	17	6,15
22749197	motile sperm domain containing 2 [Homo sapiens]	**1,554**	**0,636**	**3,412**	…	77	59708	15	6,53
4758504	hydroxysteroid (17-beta) dehydrogenase 10 isoform 1 [Homo sapiens]	**1,550**	**0,633**	**16,741**	…	798	26906	10	6,36
25777612	proteasome 26S non-ATPase subunit 3 [Homo sapiens]	**1,547**	**0,629**	**15,204**	8,436	454	60939	21	6,41
5174447	guanine nucleotide binding protein (G protein), beta polypeptide 2-like 1 [Homo	**1,546**	**0,628**	**16,595**	4,041	745	35055	10	6,98
5453998	importin 7 [Homo sapiens]	**1,541**	**0,624**	**17,060**	2,341	570	119440	24	6,95
90265805	phospholipase C, delta 1 isoform 2 [Homo sapiens]	**1,538**	**0,621**	**11,322**	…	205	85611	11	6,15
4507947	tyrosyl-tRNA synthetase [Homo sapiens]	**1,535**	**0,618**	**19,369**	10,017	177	59106	22	6,4
38455427	chaperonin containing TCP1, subunit 4 (delta) [Homo sapiens]	**1,534**	**0,617**	**19,786**	4,425	618	57888	13	7,53
133925811	transportin 1 isoform 1 [Homo sapiens]	**1,525**	**0,609**	**7,893**	…	102	102289	10	6,18
190358517	RAB11B, member RAS oncogene family [Homo sapiens]	**1,525**	**0,609**	**18,522**	…	1209	24473	14	5,69
14141195	stromal cell-derived factor 2 precursor [Homo sapiens]	**1,524**	**0,608**	**14,596**	…	189	23011	5	5,72
11345462	signal peptidase complex subunit 3 [Homo sapiens]	**1,522**	**0,606**	**7,894**	…	175	20301	7	6,14
9910542	SAR1a gene homolog 1 [Homo sapiens]	**1,517**	**0,602**	**19,651**	…	970	22353	11	7,7
32189394	mitochondrial ATP synthase beta subunit precursor [Homo sapiens]	**1,516**	**0,600**	**19,630**	7,253	3067	56525	27	5,49
57863257	T-complex protein 1 isoform a [Homo sapiens]	**1,512**	**0,597**	**18,969**	…	1117	60306	27	8,71
33350932	cytoplasmic dynein 1 heavy chain 1 [Homo sapiens]	**1,511**	**0,596**	**19,367**	…	3601	532072	151	6,03
4503685	farnesyl diphosphate synthase isoform a [Homo sapiens]	**1,506**	**0,590**	**9,636**	12,266	137	48245	11	8,56
48255959	plasma membrane calcium ATPase 4 isoform 4a [Homo sapiens]	**1,505**	**0,589**	**13,457**	…	275	129321	16	6,46
19923973	potassium channel tetramerisation domain containing 12 [Homo sapiens]	**1,504**	**0,589**	**14,387**	…	142	35679	11	5,13
4758762	asparaginyl-tRNA synthetase [Homo sapiens]	**1,504**	**0,589**	**17,580**	5,440	726	62903	15	8,76
4507951	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, eta	**1,501**	**0,586**	**17,847**	…	726	28201	16	7,01
31621303	sideroflexin 3 [Homo sapiens]	**1,498**	**0,583**	**15,274**	…	683	35956	14	6,06
21361399	alpha isoform of regulatory subunit A, protein phosphatase 2 [Homo sapiens]	**1,494**	**0,579**	**19,997**	15,857	736	65267	23	4,63
25453474	eukaryotic translation elongation factor 1 delta isoform 1 [Homo sapiens]	**1,492**	**0,577**	**19,325**	12,331	893	71364	13	8,16
55743106	alpha 3 type VI collagen isoform 5 precursor [Homo sapiens]	**1,492**	**0,577**	**15,473**	…	1933	321156	70	5,53
156564357	NAD(P)H dehydrogenase, quinone 2 [Homo sapiens]	**1,489**	**0,574**	**15,103**	…	273	25902	7	5,91
5031569	ARP1 actin-related protein 1 homolog A, centractin alpha [Homo sapiens]	**1,483**	**0,568**	**9,138**	6,270	625	42587	11	5,64
4504517	heat shock protein beta-1 [Homo sapiens]	**1,482**	**0,567**	**17,547**	…	1989	22768	13	4,43
21269877	cysteinyl-tRNA synthetase isoform a [Homo sapiens]	**1,482**	**0,567**	**17,609**	…	183	82794	14	8,24
41352061	metalloprotease 1 [Homo sapiens]	**1,481**	**0,566**	**9,206**	…	118	117338	15	9,45
209413738	ribophorin II isoform 2 precursor [Homo sapiens]	**1,479**	**0,565**	**3,547**	…	745	67681	19	7,05
19923193	heat shock 70kD protein binding protein [Homo sapiens]	**1,479**	**0,564**	**18,318**	…	89	41305	9	5,11
5174735	tubulin, beta, 2 [Homo sapiens]	**1,478**	**0,563**	**9,346**	18,771	6422	49799	22	5,98
6274552	signal transducer and activator of transcription 1 isoform alpha [Homo sapiens]	**1,477**	**0,563**	**19,891**	19,486	1575	87280	34	5,54
19923142	karyopherin beta 1 [Homo sapiens]	**1,477**	**0,563**	**18,711**	…	967	97108	17	6,73
4506693	ribosomal protein S17 [Homo sapiens]	**1,477**	**0,562**	**17,100**	…	223	15540	6	10,99
4502643	chaperonin containing TCP1, subunit 6A isoform a [Homo sapiens]	**1,475**	**0,561**	**16,243**	6,920	1466	57988	27	5,33
194248088	sulfatase modifying factor 2 isoform b precursor [Homo sapiens]	**1,475**	**0,561**	**10,558**	…	357	35914	6	5,22
156071462	solute carrier family 25, member A6 [Homo sapiens]	**1,471**	**0,556**	**18,792**	5,318	237	32845	11	6,3
31377697	glycosyltransferase 25 domain containing 1 [Homo sapiens]	**1,454**	**0,540**	**5,653**	12,998	100	71590	13	8,55
4504437	heme oxygenase (decyclizing) 1 [Homo sapiens]	**1,451**	**0,537**	**3,533**	…	259	32798	9	5,5
22749415	integral membrane protein 1 [Homo sapiens]	**1,447**	**0,533**	**7,637**	…	57	80477	9	8,96
45439306	aspartyl-tRNA synthetase [Homo sapiens]	**1,445**	**0,531**	**0,862**	…	47	57100	7	8,45
62240992	cysteinyl-tRNA synthetase isoform c [Homo sapiens]	**1,445**	**0,531**	**4,470**	…	188	94578	16	6,33
14149680	extended synaptotagmin-like protein 1 [Homo sapiens]	**1,443**	**0,529**	**10,239**	9,523	974	122780	27	6,23
4506179	proteasome alpha 1 subunit isoform 2 [Homo sapiens]	**1,439**	**0,526**	**17,863**	4,003	356	29537	11	7,57
108773810	leucyl-tRNA synthetase [Homo sapiens]	**1,438**	**0,524**	**4,186**	17,132	364	134379	34	5,39
4503477	eukaryotic translation elongation factor 1 beta 2 [Homo sapiens]	**1,433**	**0,519**	**3,333**	…	350	24748	5	5,81
16241971	signal peptidase complex subunit 2 homolog [Homo sapiens]	**1,432**	**0,518**	**19,544**	…	310	24987	9	5,04
15431301	ribosomal protein L7 [Homo sapiens]	**1,429**	**0,515**	**18,384**	14,876	287	29207	15	5,14
13569962	RAB1B, member RAS oncogene family [Homo sapiens]	**1,428**	**0,514**	**19,187**	19,213	1784	22157	11	10,53
6005854	prohibitin 2 isoform 2 [Homo sapiens]	**1,420**	**0,505**	**18,240**	14,484	939	33276	17	6,84
42544159	heat shock 105kD [Homo sapiens]	**1,419**	**0,505**	**10,472**	…	108	96804	25	7,05
24797086	importin 5 [Homo sapiens]	**1,418**	**0,504**	**16,854**	3,958	1235	125464	33	9,14
4826952	proteasome 26S non-ATPase subunit 5 [Homo sapiens]	**1,417**	**0,503**	**3,329**	…	334	56160	15	5,94
4885425	v-Ha-ras Harvey rat sarcoma viral oncogene homolog isoform 1 [Homo sapiens	**1,407**	**0,493**	**19,985**	…	90	21285	9	7,96
112380628	lysosomal-associated membrane protein 1 [Homo sapiens]	**1,406**	**0,492**	**18,827**	…	903	44854	8	6,23
105990514	filamin B, beta (actin binding protein 278) [Homo sapiens]	**1,403**	**0,489**	**18,514**	10,847	3704	277990	87	5,8
4557235	acyl-Coenzyme A dehydrogenase, very long chain isoform 1 precursor [Homo s	**1,397**	**0,483**	**18,747**	5,355	501	70345	19	4,96
124494254	ErbB3-binding protein 1 [Homo sapiens]	**1,394**	**0,480**	**17,567**	…	105	43759	11	6,95
23308607	minor histocompatibility antigen 13 isoform 1 [Homo sapiens]	**1,393**	**0,478**	**19,764**	…	58	41462	5	5,8
4503529	eukaryotic translation initiation factor 4A isoform 1 [Homo sapiens]	**1,392**	**0,477**	**17,258**	1,628	753	46125	18	5,6
205277394	coenzyme A synthase isoform c [Homo sapiens]	**1,389**	**0,474**	**6,575**	…	169	65299	9	9,06
31542319	epsilon subunit of coatomer protein complex isoform a [Homo sapiens]	**1,387**	**0,472**	**9,837**	…	1040	34460	12	5,47
39725636	transmembrane emp24 protein transport domain containing 9 [Homo sapiens]	**1,387**	**0,472**	**12,873**	…	242	27260	8	5,45
5729779	COP9 signalosome subunit 8 isoform 1 [Homo sapiens]	**1,383**	**0,468**	**3,197**	…	461	23211	7	5,28
5031973	protein disulfide isomerase A6 [Homo sapiens]	**1,382**	**0,467**	**18,099**	13,531	1492	48091	17	9,25
54607043	glucocerebrosidase precursor [Homo sapiens]	**1,381**	**0,465**	**8,786**	7,479	279	59678	14	5,78
88703043	sorting nexin 6 isoform a [Homo sapiens]	**1,380**	**0,464**	**12,409**	…	121	33549	8	8,88
4502203	ADP-ribosylation factor 3 [Homo sapiens]	**1,380**	**0,464**	**17,135**	…	979	20588	12	6,4
25777600	proteasome 26S non-ATPase subunit 1 [Homo sapiens]	**1,379**	**0,463**	**10,210**	…	307	105769	21	9,73
30410792	proteasome activator subunit 2 [Homo sapiens]	**1,375**	**0,460**	**17,634**	…	823	27384	11	7,5
5803227	tyrosine 3/tryptophan 5 -monooxygenase activation protein, theta polypeptide [I	**1,373**	**0,458**	**19,688**	3,553	1927	29155	23	5,25
41327764	aldo-keto reductase family 7, member A2 [Homo sapiens]	**1,372**	**0,457**	**19,556**	15,929	459	39564	9	6,32
58761486	chaperonin containing TCP1, subunit 3 isoform b [Homo sapiens]	**1,371**	**0,455**	**12,266**	13,332	594	60424	23	6,91
5031635	cofilin 1 (non-muscle) [Homo sapiens]	**1,370**	**0,454**	**17,496**	…	1567	18491	13	5,51
5031573	ARP3 actin-related protein 3 homolog [Homo sapiens]	**1,370**	**0,454**	**19,274**	18,969	816	47341	16	8,67
5453595	adenylyl cyclase-associated protein [Homo sapiens]	**1,367**	**0,451**	**19,738**	5,315	3778	51641	19	4,68
4503377	dihydropyrimidinase-like 2 [Homo sapiens]	**1,363**	**0,447**	**11,147**	…	2477	62255	21	5,54
33469985	FK506 binding protein 9 [Homo sapiens]	**1,361**	**0,445**	**13,478**	13,053	202	63044	15	8,27
30240932	EH-domain containing 1 [Homo sapiens]	**1,360**	**0,443**	**17,496**	7,897	585	60589	29	7,36
4505773	prohibitin [Homo sapiens]	**1,356**	**0,439**	**17,475**	…	856	29786	16	5,74
23110944	proteasome alpha 6 subunit [Homo sapiens]	**1,352**	**0,435**	**18,202**	…	690	27382	10	5,3
4505991	peptidylprolyl isomerase C [Homo sapiens]	**1,350**	**0,433**	**5,800**	…	296	22749	3	4,7
4506005	protein phosphatase 1, catalytic subunit, beta isoform 1 [Homo sapiens]	**1,347**	**0,429**	**15,982**	2,789	700	37163	13	7,56
24430151	proteasome 26S ATPase subunit 1 [Homo sapiens]	**1,342**	**0,424**	**19,289**	2,791	398	49154	19	6,65
13775198	SH3 domain binding glutamic acid-rich protein like 3 [Homo sapiens]	**1,340**	**0,422**	**8,216**	…	188	10431	6	7,64

4757900	calreticulin precursor [Homo sapiens]	**1,339**	**0,421**	**17,698**	2,871	2218	48112	20	8,69
9910280	UDP-glucose ceramide glucosyltransferase-like 1 [Homo sapiens]	**1,330**	**0,411**	**19,943**	7,593	1016	177078	32	9,34
7661910	tetratricopeptide repeat domain 35 [Homo sapiens]	**1,326**	**0,407**	**15,027**	...	392	34811	8	6,17
224177556	lanosterol synthase isoform 2 [Homo sapiens]	**1,324**	**0,405**	**18,333**	...	276	82146	19	5,35
4502049	aldo-keto reductase family 1, member B1 [Homo sapiens]	**1,320**	**0,400**	**13,060**	...	473	35830	9	5,7
189181759	electron transfer flavoprotein, alpha polypeptide isoform b [Homo sapiens]	**1,318**	**0,399**	**19,806**	0,600	763	30007	17	6,21
9257257	WD repeat-containing protein 1 isoform 1 [Homo sapiens]	**1,311**	**0,391**	**14,423**	10,450	670	66152	19	9,92
5803013	endoplasmic reticulum protein 29 isoform 1 precursor [Homo sapiens]	**1,308**	**0,387**	**19,010**	...	736	28975	15	5,7
24307939	chaperonin containing TCP1, subunit 5 (epsilon) [Homo sapiens]	**1,305**	**0,384**	**17,786**	14,483	995	59633	31	9,16
4757944	CD81 antigen [Homo sapiens]	**1,303**	**0,382**	**15,909**	...	691	25792	4	4,85
4502105	annexin IV [Homo sapiens]	**1,302**	**0,381**	**17,805**	2,269	995	36062	21	9,6
155030196	RAP1, GTP-GDP dissociation stimulator 1 isoform 3 [Homo sapiens]	**1,297**	**0,375**	**15,404**	...	60	231170	30	7,01
94557299	protein kinase, AMP-activated, alpha 1 catalytic subunit isoform 2 [Homo sapier	**1,295**	**0,373**	**2,914**	...	119	65481	12	4,63
21361547	ribonuclease/angiogenin inhibitor [Homo sapiens]	**1,293**	**0,371**	**17,334**	5,092	537	49941	13	6,5
26667180	calcium/calmodulin-dependent protein kinase II delta isoform 3 [Homo sapiens]	**1,287**	**0,364**	**19,346**	...	176	56334	10	5,2
4503841	ATP-dependent DNA helicase II, 70 kDa subunit [Homo sapiens]	**1,286**	**0,363**	**1,370**	...	448	69799	25	5,51
38202257	neutral alpha-glucosidase AB isoform 2 [Homo sapiens]	**1,285**	**0,362**	**19,515**	12,893	1642	106807	37	6,31
116805340	glycyl-tRNA synthetase [Homo sapiens]	**1,280**	**0,357**	**19,585**	1,720	1449	83113	30	5,27
4507677	heat shock protein 90kDa beta, member 1 [Homo sapiens]	**1,280**	**0,356**	**18,969**	10,534	7427	92411	46	9,16
20127486	mannose 6 phosphate receptor binding protein 1 [Homo sapiens]	**1,277**	**0,353**	**3,941**	2,739	1116	47018	17	7,58
48762932	chaperonin containing TCP1, subunit 8 (theta) [Homo sapiens]	**1,275**	**0,350**	**19,666**	4,035	876	59583	29	7,67
20070125	prolyl 4-hydroxylase, beta subunit precursor [Homo sapiens]	**1,271**	**0,346**	**19,439**	7,219	3337	57081	29	5,61
19923483	GTPase Rab14 [Homo sapiens]	**1,268**	**0,343**	**18,389**	...	879	23882	13	5
21361114	solute carrier family 25 (mitochondrial carrier; oxoglutarate carrier), member 11	**1,267**	**0,342**	**19,123**	...	247	34040	10	8,32
51100974	myosin ID [Homo sapiens]	**1,262**	**0,336**	**16,975**	11,639	1396	116129	47	4,8
157502193	proteasome 26S non-ATPase subunit 13 isoform 1 [Homo sapiens]	**1,260**	**0,333**	**16,588**	...	140	42918	8	5,25
7705855	hydroxysteroid (17-beta) dehydrogenase 12 [Homo sapiens]	**1,257**	**0,330**	**8,398**	...	718	34302	14	6,43
148536853	coatomer protein complex, subunit alpha isoform 2 [Homo sapiens]	**1,255**	**0,327**	**8,700**	11,847	334	138258	19	5,65
13376840	WD repeat domain 61 [Homo sapiens]	**1,255**	**0,327**	**10,834**	...	423	33560	7	5,74
63252886	prolyl 4-hydroxylase, alpha I subunit isoform 1 precursor [Homo sapiens]	**1,067**	**0,093**	**10,692**	5,989	1201	60929	23	6,05
10716563	calnexin precursor [Homo sapiens]	**1,253**	**0,325**	**19,307**	5,367	1471	67526	21	4,47
5031599	actin related protein 2/3 complex subunit 2 [Homo sapiens]	**1,252**	**0,325**	**19,801**	10,248	809	34311	18	6,01
4885417	ubiquitin-conjugating enzyme E2-25K isoform 1 [Homo sapiens]	**1,251**	**0,323**	**14,854**	...	192	22393	9	6,61
5453603	chaperonin containing TCP1, subunit 2 [Homo sapiens]	**1,249**	**0,321**	**19,357**	8,217	2160	57452	29	6,23
4759034	eukaryotic translation termination factor 1 [Homo sapiens]	**1,244**	**0,316**	**7,675**	...	228	49000	12	5,38
192455698	glutathione peroxidase 8 [Homo sapiens]	**1,240**	**0,310**	**5,379**	7,891	80	23866	6	5,67
47132622	5'-methylthioadenosine phosphorylase [Homo sapiens]	**1,240**	**0,310**	**13,204**	...	239	31216	11	8,8
63252888	prolyl 4-hydroxylase, alpha I subunit isoform 2 precursor [Homo sapiens]	**1,237**	**0,306**	**19,141**	...	1343	61011	21	6,23
13259510	dynactin 1 isoform 1 [Homo sapiens]	**1,236**	**0,306**	**13,693**	...	258	141607	36	8,8
40068518	phosphogluconate dehydrogenase [Homo sapiens]	**1,236**	**0,305**	**18,062**	...	936	53106	18	6,4
6912586	6-phosphogluconolactonase [Homo sapiens]	**1,235**	**0,305**	**18,703**	...	742	27530	8	4,91
22538465	proteasome beta 3 subunit [Homo sapiens]	**1,234**	**0,304**	**17,974**	...	883	22933	10	5,16
18491024	dipeptidyl peptidase III [Homo sapiens]	**1,233**	**0,302**	**13,088**	...	290	82538	9	5,13
28178832	isocitrate dehydrogenase 2 (NADP+), mitochondrial precursor [Homo sapiens]	**1,233**	**0,302**	**11,447**	...	117	55842	8	5,62
4759274	thioredoxin-like 1 [Homo sapiens]	**1,230**	**0,299**	**12,033**	...	175	32231	10	10,73
4502491	complement component 1, q subcomponent binding protein precursor [Homo sa	**1,226**	**0,294**	**19,916**	18,331	533	31343	6	5,54
10880989	RAB18, member RAS oncogene family [Homo sapiens]	**1,226**	**0,294**	**19,775**	...	524	22963	9	6,75
77404397	staphylococcal nuclease domain containing 1 [Homo sapiens]	**1,220**	**0,287**	**19,761**	6,330	1091	101934	38	6,71
25777615	proteasome 26S non-ATPase subunit 7 [Homo sapiens]	**1,218**	**0,285**	**10,638**	...	592	37002	14	6,66
4826659	F-actin capping protein beta subunit [Homo sapiens]	**1,215**	**0,281**	**15,919**	0,577	1088	30609	18	5,37
4758032	coatomer protein complex, subunit beta 2 (beta prime) [Homo sapiens]	**1,214**	**0,280**	**18,485**	17,683	228	102422	18	8,53
4826898	profilin 1 [Homo sapiens]	**1,213**	**0,279**	**18,796**	13,793	2418	15045	12	5,76
205277386	glucosamine-fructose-6-phosphate aminotransferase [Homo sapiens]	**1,211**	**0,276**	**16,789**	7,592	677	76710	26	6,31
5453607	chaperonin containing TCP1, subunit 7 isoform a [Homo sapiens]	**1,206**	**0,270**	**18,114**	0,942	944	59329	22	9,27
192448443	FK506 binding protein 10 [Homo sapiens]	**1,203**	**0,267**	**15,608**	...	187	64204	20	5,4
33695095	ras-related GTP-binding protein RAB10 [Homo sapiens]	**1,199**	**0,261**	**9,853**	...	529	22455	12	5,94
21361416	related RAS viral (r-ras) oncogene homolog 2 isoform a [Homo sapiens]	**1,198**	**0,261**	**13,751**	...	441	23385	10	6,7
4506685	ribosomal protein S13 [Homo sapiens]	**1,198**	**0,260**	**10,959**	...	170	17212	7	8,68
195539395	proteasome 26S ATPase subunit 6 [Homo sapiens]	**1,194**	**0,256**	**16,985**	8,984	201	45768	5	8,8
10835063	nucleophosmin 1 isoform 1 [Homo sapiens]	**1,191**	**0,252**	**18,806**	...	765	32555	9	6,01
167614485	acetyl-coenzyme A acyltransferase 2 [Homo sapiens]	**1,186**	**0,246**	**12,174**	...	267	41898	7	6,17
48255889	protein kinase C substrate 80K-H isoform 1 [Homo sapiens]	**1,184**	**0,244**	**15,478**	7,847	397	59388	16	6,27
17978519	vacuolar protein sorting 26 A isoform 1 [Homo sapiens]	**1,180**	**0,238**	**4,586**	...	205	38146	15	8,64
5031593	actin related protein 2/3 complex subunit 5 [Homo sapiens]	**1,179**	**0,238**	**5,392**	...	175	16310	4	6,21
22538467	proteasome beta 4 subunit [Homo sapiens]	**1,173**	**0,230**	**14,275**	...	1644	29185	9	5,41
38202255	threonyl-tRNA synthetase [Homo sapiens]	**1,165**	**0,220**	**18,778**	15,275	471	83382	28	6,21
4502107	annexin 5 [Homo sapiens]	**1,159**	**0,213**	**18,762**	1,625	13556	35914	25	5,89
16507237	heat shock 70kDa protein 5 [Homo sapiens]	**1,156**	**0,209**	**19,302**	3,887	12466	72288	36	5,64
208973246	quinoid dihydropteridine reductase [Homo sapiens]	**1,150**	**0,202**	**12,129**	...	450	25773	8	8,62
21361657	protein disulfide-isomerase A3 precursor [Homo sapiens]	**1,149**	**0,201**	**18,649**	14,331	2294	56747	30	6,17
4505775	solute carrier family 25 member 3 isoform b precursor [Homo sapiens]	**1,147**	**0,198**	**10,422**	3,447	82	39933	10	10,44
5803149	coated vesicle membrane protein [Homo sapiens]	**1,146**	**0,196**	**13,715**	3,695	546	22746	10	5,32
49574508	N-Acetylglucosamine kinase [Homo sapiens]	**1,143**	**0,193**	**19,074**	4,454	737	37352	14	7,86
6005842	proline synthetase co-transcribed homolog [Homo sapiens]	**1,143**	**0,193**	**6,651**	...	170	30325	9	8,75
98986464	transmembrane emp24 domain-containing protein 10 precursor [Homo sapiens	**1,143**	**0,192**	**13,764**	...	710	24960	8	5,34
5453559	ATP synthase, H+ transporting, mitochondrial F0 complex, subunit d isoform a	**1,141**	**0,190**	**8,729**	...	720	18480	10	5,18
156627575	UDP-N-acetylglucosamine pyrophosphorylase 1 [Homo sapiens]	**1,140**	**0,188**	**16,996**	...	432	56992	16	4,69
203098013	all-trans-13,14-dihydroretinol saturase [Homo sapiens]	**1,140**	**0,188**	**9,118**	...	161	66777	10	5,88
7661922	RAB21, member RAS oncogene family [Homo sapiens]	**1,131**	**0,177**	**19,724**	...	463	24332	11	6,77
46852147	mitochondrial isoleucine tRNA synthetase [Homo sapiens]	**1,130**	**0,177**	**15,127**	...	180	113719	13	5,57
6005942	valosin-containing protein [Homo sapiens]	**1,130**	**0,176**	**18,338**	17,470	2277	89266	36	5,25
10863945	ATP-dependent DNA helicase II [Homo sapiens]	**1,128**	**0,174**	**16,909**	...	878	82652	22	4,79
4507669	tumor protein, translationally-controlled 1 [Homo sapiens]	**1,127**	**0,172**	**17,573**	13,971	723	19583	10	6,12
4502205	ADP-ribosylation factor 4 [Homo sapiens]	**1,126**	**0,172**	**9,961**	...	654	20498	13	6,1
4506183	proteasome alpha 3 subunit isoform 1 [Homo sapiens]	**1,126**	**0,171**	**15,860**	...	577	28415	14	5,5
33589861	RAB31, member RAS oncogene family [Homo sapiens]	**1,125**	**0,171**	**15,924**	...	100	21686	10	6,11
149589008	peptidase D [Homo sapiens]	**1,125**	**0,170**	**13,414**	...	235	54513	10	8,23
5729991	proteasome 26S ATPase subunit 4 isoform 1 [Homo sapiens]	**1,123**	**0,168**	**5,257**	...	227	47337	6	5,16
6912238	peroxiredoxin 5 isoform a precursor [Homo sapiens]	**1,122**	**0,165**	**13,925**	...	369	22012	11	6,1
4504981	galectin-1 [Homo sapiens]	**1,120**	**0,163**	**17,093**	...	5654	14706	6	6,05
24431933	reticulon 4 isoform B [Homo sapiens]	**1,119**	**0,163**	**19,963**	...	844	40293	10	7,53
4506371	RAB5B, member RAS oncogene family [Homo sapiens]	**1,119**	**0,162**	**17,255**	...	655	23692	10	5,54
13027378	glucosamine-6-phosphate deaminase 1 [Homo sapiens]	**1,117**	**0,160**	**19,352**	...	300	32648	12	8,44
19913414	adaptor-related protein complex 2, alpha 1 subunit isoform 1 [Homo sapiens]	**1,117**	**0,159**	**3,376**	...	376	107478	32	4,75
24307879	dynein, cytoplasmic 1, intermediate chain 2 [Homo sapiens]	**1,116**	**0,159**	**14,964**	...	389	71412	8	6,9
4502013	adenylate kinase 2 isoform a [Homo sapiens]	**1,115**	**0,157**	**18,529**	...	445	26461	9	6,39
21361144	proteasome 26S ATPase subunit 3 [Homo sapiens]	**1,112**	**0,154**	**8,392**	...	440	49172	21	9,36
4505257	moesin [Homo sapiens]	**1,112**	**0,153**	**19,811**	5,166	2737	67778	41	8,76
21618331	carnitine acetyltransferase isoform 1 precursor [Homo sapiens]	**1,111**	**0,151**	**13,421**	...	91	70830	15	6,31
24307969	cytoplasmic FMR1 interacting protein 1 isoform a [Homo sapiens]	**1,110**	**0,150**	**9,612**	...	104	145089	27	6,77
157389005	calpain 2 isoform 1 [Homo sapiens]	**1,109**	**0,150**	**18,045**	3,881	521	79959	19	5,44
62241042	glutamyl-prolyl tRNA synthetase [Homo sapiens]	**1,106**	**0,145**	**13,362**	...	359	170483	38	5,65
4757766	Rho GTPase activating protein 1 [Homo sapiens]	**1,105**	**0,144**	**18,659**	9,759	576	50404	23	4,96
24119203	tropomyosin 3 isoform 2 [Homo sapiens]	**1,102**	**0,140**	**18,304**	...	1476	29015	23	7,01
41393561	leucine aminopeptidase 3 [Homo sapiens]	**1,097**	**0,134**	**14,876**	...	301	56131	18	6,54
4504445	heterogeneous nuclear ribonucleoprotein A1 isoform a [Homo sapiens]	**1,096**	**0,132**	**17,664**	...	983	34175	13	6,15
4506203	proteasome beta 7 subunit proprotein [Homo sapiens]	**1,088**	**0,122**	**19,552**	...	497	29946	10	10,25
6912396	glyoxylate reductase/hydroxypyruvate reductase [Homo sapiens]	**1,086**	**0,119**	**18,609**	...	370	35646	11	8,07
4507813	UDP-glucose dehydrogenase [Homo sapiens]	**1,081**	**0,113**	**18,148**	...	768	54989	21	5,38
38327039	heat shock 70kDa protein 4 [Homo sapiens]	**1,081**	**0,112**	**15,654**	2,830	1139	94271	32	4,89
149999606	mannosyl-oligosaccharide glucosidase isoform 1 [Homo sapiens]	**1,077**	**0,107**	**19,694**	...	558	91861	19	5,72
4758012	clathrin heavy chain 1 [Homo sapiens]	**1,073**	**0,102**	**19,195**	9,314	3858	191493	65	6,66
223972651	aldehyde dehydrogenase 16 family, member A1 isoform 1 [Homo sapiens]	**1,073**	**0,101**	**3,685**	...	223	85074	8	6,22
4507953	tyrosine 3/tryptophan 5 -monooxygenase activation protein, zeta polypeptide [H	**1,065**	**0,091**	**17,908**	6,409	3384	27728	20	5,24
4506181	proteasome subunit alpha type 2 [Homo sapiens]	**1,065**	**0,091**	**19,903**	...	1282	25882	11	11,48
4503971	GDP dissociation inhibitor 1 [Homo sapiens]	**1,065**	**0,091**	**13,868**	...	421	50550	12	5,71
21361497	acyl-Coenzyme A dehydrogenase family, member 9 [Homo sapiens]	**1,063**	**0,088**	**3,256**	...	268	68717	12	5,37
48255935	CD44 antigen isoform 1 precursor [Homo sapiens]	**1,062**	**0,087**	**19,419**	...	236	81487	8	8,57
7706441	vacuolar protein sorting 29 isoform 1 [Homo sapiens]	**1,056**	**0,079**	**5,664**	...	274	20493	4	6,23
4506189	proteasome alpha 7 subunit [Homo sapiens]	**1,056**	**0,079**	**16,189**	...	598	27870	11	6,03
21361794	TIP120 protein [Homo sapiens]	**1,055**	**0,077**	**18,141**	9,766	946	136289	32	8,44
4507521	transketolase isoform 1 [Homo sapiens]	**1,053**	**0,074**	**17,848**	...	2371	67835	25	6,23
5031595	actin related protein 2/3 complex subunit 4 isoform a [Homo sapiens]	**1,052**	**0,073**	**7,120**	...	163	19654	9	5,26
48255966	UDP-glucose pyrophosphorylase 2 isoform a [Homo sapiens]	**1,050**	**0,070**	**13,394**	12,728	1028	56905	28	6,67
4759270	translin [Homo sapiens]	**1,049**	**0,069**	**12,476**	...	318	26167	11	9,1
4506013	protein phosphatase 1, regulatory subunit 7 [Homo sapiens]	**1,049**	**0,069**	**13,223**	...	313	41539	11	6,43
4557237	acetyl-Coenzyme A acetyltransferase 1 precursor [Homo sapiens]	**1,047**	**0,067**	**7,773**	1,971	392	45171	12	10,09
5032027	retinoblastoma binding protein 4 isoform a [Homo sapiens]	**1,045**	**0,064**	**1,588**	...	130	47626	4	5
42794771	thioredoxin domain containing 5 isoform 1 precursor [Homo sapiens]	**1,040**	**0,057**	**19,907**	15,753	419	47599	18	7,71
4503609	electron-transfer-flavoprotein, beta polypeptide isoform 1 [Homo sapiens]	**1,039**	**0,056**	**14,023**	...	211	27826	14	5,09
6681764	NADH dehydrogenase (ubiquinone) 1 alpha subcomplex, 9, 39kDa [Homo sapi	**1,039**	**0,055**	**3,534**	...	262	42483	15	6,7
7706757	H(+)-transporting two-sector ATPase [Homo sapiens]	**1,037**	**0,052**	**14,723**	...	356	28245	11	6,61
11055992	serine carboxypeptidase 1 precursor [Homo sapiens]	**1,033**	**0,047**	**14,576**	...	414	50798	8	5,7
45827806	atlastin 3 [Homo sapiens]	**1,025**	**0,036**	**17,254**	2,119	750	60503	23	7,53
51873036	oxoglutarate (alpha-ketoglutarate) dehydrogenase (lipoamide) isoform 1 precur	**1,025**	**0,036**	**8,200**	...	47	115861	17	9,24
5803225	tyrosine 3/tryptophan 5 -monooxygenase activation protein, epsilon polypeptide	**1,022**	**0,032**	**19,814**	6,422	1927	29155	23	7,82
4885539	protein-L-isoaspartate (D-aspartate) O-methyltransferase [Homo sapiens]	**1,022**	**0,031**	**15,882**	...	537	24621	16	4,83
171846268	Ts translation elongation factor, mitochondrial precursor [Homo sapiens]	**1,021**	**0,029**	**0,967**	...	233	35368	5	8,6
5729877	heat shock 70kDa protein 8 isoform 1 [Homo sapiens]	**1,015**	**0,021**	**18,917**	15,810	5420	70854	33	5,35

20986531	mitogen-activated protein kinase 1 [Homo sapiens]	**1,011**	**0,015**	**10,738**	…	262	41363	15	8,98
17999541	vacuolar protein sorting 35 [Homo sapiens]	**1,010**	**0,014**	**19,647**	11,946	1321	91649	33	6,63
186972143	tripeptidyl peptidase II [Homo sapiens]	**1,009**	**0,013**	**16,610**	…	273	138263	20	5,05
4506195	proteasome beta 2 subunit [Homo sapiens]	**1,008**	**0,012**	**19,665**	…	386	22822	9	11,65
119395729	cathepsin A isoform a precursor [Homo sapiens]	**1,007**	**0,010**	**2,805**	…	358	56197	8	5,29
32171186	B-cell receptor-associated protein 31 isoform b [Homo sapiens]	**1,005**	**0,007**	**15,763**	…	479	27974	15	6,96
4557305	fructose-bisphosphate aldolase A [Homo sapiens]	**1,004**	**0,006**	**15,093**	13,980	8764	39395	19	4,78
188497754	hexokinase 1 isoform HKI [Homo sapiens]	**1,004**	**0,005**	**16,430**	…	750	102420	37	6,18
112421122	DnaJ (Hsp40) homolog, subfamily C, member 13 [Homo sapiens]	**1,002**	**0,003**	**19,520**	…	131	254252	32	7,26
4757768	Rho GDP dissociation inhibitor (GDI) alpha [Homo sapiens]	**1,001**	**0,001**	**14,667**	12,756	870	23193	7	8,96
5031571	actin-related protein 2 isoform b [Homo sapiens]	**1,000**	**-0,001**	**19,230**	10,950	398	44732	9	6,83
109148542	alanyl-tRNA synthetase [Homo sapiens]	**0,998**	**-0,003**	**13,741**	12,519	558	106743	28	5,13
156564403	pyruvate dehydrogenase (lipoamide) beta [Homo sapiens]	**0,997**	**-0,004**	**16,577**	…	313	39208	11	5,7
10863927	peptidylprolyl isomerase A [Homo sapiens]	**0,996**	**-0,006**	**16,617**	6,130	1583	18001	11	5,51
126012562	low density lipoprotein-related protein 1 [Homo sapiens]	**0,993**	**-0,010**	**15,277**	…	390	504276	39	5,57
7549809	plastin 3 [Homo sapiens]	**0,993**	**-0,011**	**19,047**	9,982	1407	70766	36	5,84
28178825	isocitrate dehydrogenase 1 (NADP+), soluble [Homo sapiens]	**0,990**	**-0,014**	**4,400**	…	152	46630	12	5,82
19923362	Thy-1 cell surface antigen preproprotein [Homo sapiens]	**0,990**	**-0,015**	**18,556**	12,721	256	17923	2	4,73
15826840	PTK7 protein tyrosine kinase 7 isoform a precursor [Homo sapiens]	**0,986**	**-0,021**	**14,053**	…	142	118317	13	6,59
7524354	dimethylarginine dimethylaminohydrolase 2 [Homo sapiens]	**0,986**	**-0,021**	**15,739**	…	310	29625	10	8,48
6912638	ras suppressor protein 1 isoform 1 [Homo sapiens]	**0,985**	**-0,022**	**19,569**	…	299	31521	11	6,35
12408656	calpain 1, large subunit [Homo sapiens]	**0,984**	**-0,023**	**12,898**	17,900	449	81838	30	6,29
63253298	spermidine synthase [Homo sapiens]	**0,982**	**-0,026**	**14,401**	…	283	33803	8	5,39
21735621	mitochondrial malate dehydrogenase precursor [Homo sapiens]	**0,982**	**-0,027**	**19,457**	9,498	2145	35481	15	5,02
4505029	leukotriene A4 hydrolase [Homo sapiens]	**0,981**	**-0,028**	**18,531**	1,546	396	69241	18	7,85
38201690	RAP2B, member of RAS oncogene family [Homo sapiens]	**0,979**	**-0,030**	**1,131**	…	148	20491	7	5,52
4507949	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, be	**0,977**	**-0,034**	**19,212**	18,396	1441	28065	20	4,74
22538444	tumor protein p53 inducible protein 3 [Homo sapiens]	**0,975**	**-0,036**	**3,068**	…	103	35514	10	7,68
4507877	vinculin isoform VCL [Homo sapiens]	**0,975**	**-0,037**	**18,883**	2,511	5872	116649	79	9,96
52145310	hexose-6-phosphate dehydrogenase precursor [Homo sapiens]	**0,975**	**-0,037**	**15,321**	…	244	88836	19	6,45
4503571	enolase 1 [Homo sapiens]	**0,973**	**-0,040**	**19,786**	3,924	12943	47139	27	5,6
24234688	heat shock 70kDa protein 9 precursor [Homo sapiens]	**0,972**	**-0,040**	**17,972**	7,944	1816	73635	29	5,87
7705987	glycolipid transfer protein [Homo sapiens]	**0,972**	**-0,041**	**15,010**	…	134	23834	5	4,71
14917113	signal recognition particle receptor, beta subunit [Homo sapiens]	**0,972**	**-0,041**	**8,569**	…	216	29633	13	5,21
4503583	epoxide hydrolase 1 [Homo sapiens]	**0,971**	**-0,043**	**10,628**	…	70	52915	11	5,6
7657069	ERO1-like [Homo sapiens]	**0,969**	**-0,045**	**18,125**	2,555	525	54358	17	5,42
7656991	coronin, actin binding protein, 1C isoform 1 [Homo sapiens]	**0,969**	**-0,046**	**15,212**	…	396	53215	12	4,82
5454158	valyl-tRNA synthetase [Homo sapiens]	**0,966**	**-0,049**	**14,647**	…	392	140387	20	5,55
5031597	actin related protein 2/3 complex subunit 3 [Homo sapiens]	**0,966**	**-0,049**	**7,915**	…	120	20533	6	5,8
71565154	class III alcohol dehydrogenase, chi subunit [Homo sapiens]	**0,965**	**-0,051**	**5,793**	…	146	39698	11	8,56
73486658	aspartate aminotransferase 2 precursor [Homo sapiens]	**0,962**	**-0,056**	**5,021**	6,207	308	47487	8	8,42
6912278	COMM domain containing 3 [Homo sapiens]	**0,962**	**-0,056**	**14,161**	…	200	22137	6	8,22
70995211	peroxisomal enoyl-coenzyme A hydratase-like protein [Homo sapiens]	**0,961**	**-0,057**	**11,245**	…	364	35793	8	6
156631005	proteasome 26S non-ATPase subunit 8 [Homo sapiens]	**0,960**	**-0,059**	**15,423**	…	176	39587	9	8,87
224496106	small fragment nuclease [Homo sapiens]	**0,958**	**-0,061**	**9,704**	…	453	26816	9	5,49
33946329	ras related v-ral simian leukemia viral oncogene homolog A [Homo sapiens]	**0,957**	**-0,064**	**15,371**	…	593	23552	9	5,83
19913424	ATPase, H+ transporting, lysosomal V1 subunit A [Homo sapiens]	**0,954**	**-0,068**	**17,072**	16,236	748	68260	28	8,03
20127408	mitochondrial trifunctional protein, alpha subunit precursor [Homo sapiens]	**0,953**	**-0,069**	**18,628**	4,171	2182	82947	33	8,6
23110925	proteasome beta 6 subunit [Homo sapiens]	**0,952**	**-0,071**	**4,414**	…	112	25341	5	5,66
94721239	isoleucine tRNA synthetase [Homo sapiens]	**0,951**	**-0,073**	**19,141**	13,785	350	144406	29	11,56
4503057	crystallin, alpha B [Homo sapiens]	**0,946**	**-0,080**	**18,834**	2,509	2935	20146	12	4,96
4758756	nucleosome assembly protein 1-like 1 [Homo sapiens]	**0,945**	**-0,081**	**9,695**	…	247	45346	7	8,85
4885281	glutamate dehydrogenase 1 [Homo sapiens]	**0,944**	**-0,082**	**15,298**	…	642	61359	19	4,7
188035924	aldehyde dehydrogenase 7 family, member A1 [Homo sapiens]	**0,944**	**-0,083**	**19,220**	…	340	58450	15	6,04
91199540	dihydrolipoamide dehydrogenase precursor [Homo sapiens]	**0,942**	**-0,086**	**9,849**	…	237	54143	13	8,34
4501867	aconitase 2, mitochondrial precursor [Homo sapiens]	**0,937**	**-0,094**	**17,515**	…	343	85372	26	4,63
11321601	phosphofructokinase, platelet [Homo sapiens]	**0,937**	**-0,094**	**15,206**	2,768	1028	85542	32	5,7
6005721	ER lipid raft associated 2 isoform 1 [Homo sapiens]	**0,932**	**-0,102**	**19,679**	…	157	37815	5	7,29
5453543	aldo-keto reductase family 1, member C1 [Homo sapiens]	**0,932**	**-0,102**	**19,661**	…	628	36765	17	6,59
4502419	biliverdin reductase B (flavin reductase (NADPH)) [Homo sapiens]	**0,931**	**-0,104**	**18,594**	…	836	22105	5	9,52
33589854	biliverdin reductase A [Homo sapiens]	**0,928**	**-0,108**	**14,899**	0,861	273	33407	10	5,51
4504169	glutathione synthetase [Homo sapiens]	**0,927**	**-0,109**	**13,983**	…	211	52352	16	6,3
4503117	cystatin B [Homo sapiens]	**0,926**	**-0,111**	**16,157**	…	241	11133	4	8,91
4506201	proteasome beta 5 subunit isoform 1 [Homo sapiens]	**0,926**	**-0,111**	**15,879**	18,865	880	28462	14	5,06
223029410	talin 1 [Homo sapiens]	**0,926**	**-0,112**	**19,336**	17,055	8445	269599	85	8,47
23510338	ubiquitin-activating enzyme E1 [Homo sapiens]	**0,925**	**-0,112**	**19,434**	1,319	2660	117774	42	5,83
5803023	lectin, mannose-binding 2 precursor [Homo sapiens]	**0,925**	**-0,113**	**19,228**	9,935	454	40203	11	6,01
5730023	RuvB-like 2 [Homo sapiens]	**0,925**	**-0,113**	**14,690**	…	192	51125	15	9
66392203	NME1-NME2 protein [Homo sapiens]	**0,924**	**-0,114**	**19,390**	12,631	1304	30118	15	5,3
11321585	guanine nucleotide-binding protein, beta-1 subunit [Homo sapiens]	**0,923**	**-0,116**	**18,142**	…	177	37353	9	6,8
4826878	oxidative-stress responsive 1 [Homo sapiens]	**0,921**	**-0,119**	**17,121**	…	160	57986	6	7,64
4505641	proliferating cell nuclear antigen [Homo sapiens]	**0,920**	**-0,120**	**6,317**	…	425	28750	10	4,97
7706497	UMP-CMP kinase 1 isoform a [Homo sapiens]	**0,919**	**-0,122**	**16,716**	…	1233	25838	17	5,74
4506193	proteasome beta 1 subunit [Homo sapiens]	**0,917**	**-0,125**	**19,514**	…	1341	26472	13	6,57
4505591	peroxiredoxin 1 [Homo sapiens]	**0,915**	**-0,128**	**19,399**	19,872	991	22096	17	5,57
6598323	GDP dissociation inhibitor 2 isoform 1 [Homo sapiens]	**0,914**	**-0,130**	**16,953**	8,457	1956	50631	26	4,63
5031631	scavenger receptor class B, member 2 [Homo sapiens]	**0,913**	**-0,131**	**15,791**	10,491	1066	54255	14	7,45
9845509	ras-related C3 botulinum toxin substrate 1 isoform Rac1b [Homo sapiens]	**0,912**	**-0,132**	**11,402**	…	374	23452	8	5,53
4502285	ATPase, Ca++ transporting, slow twitch 2 isoform 2 [Homo sapiens]	**0,912**	**-0,133**	**17,811**	…	225	109620	20	5,49
14249382	abhydrolase domain containing 14B [Homo sapiens]	**0,909**	**-0,138**	**15,344**	…	398	22332	6	5,08
10835049	ras homolog gene family, member A [Homo sapiens]	**0,909**	**-0,138**	**15,990**	…	722	21754	10	5,33
4502549	calmodulin 2 [Homo sapiens]	**0,905**	**-0,144**	**17,857**	…	271	16827	5	5,32
5453790	nicotinamide N-methyltransferase [Homo sapiens]	**0,903**	**-0,147**	**13,821**	10,586	612	29555	9	8,28
4557032	L-lactate dehydrogenase B [Homo sapiens]	**0,903**	**-0,148**	**17,588**	…	2464	36615	17	8,52
4505705	phosphoprotein enriched in astrocytes 15 [Homo sapiens]	**0,897**	**-0,156**	**4,858**	…	257	15031	5	5,45
5174529	methionine adenosyltransferase II, alpha [Homo sapiens]	**0,897**	**-0,157**	**14,636**	13,880	226	43633	7	5,88
4506209	proteasome 26S ATPase subunit 2 [Homo sapiens]	**0,893**	**-0,164**	**11,028**	…	151	48603	21	9,31
66933014	3-hydroxybutyrate dehydrogenase, type 2 [Homo sapiens]	**0,891**	**-0,167**	**7,051**	…	209	26707	11	9,41
38327625	citrate synthase precursor [Homo sapiens]	**0,888**	**-0,171**	**9,661**	14,081	157	51680	12	6,81
21361370	brain glycogen phosphorylase [Homo sapiens]	**0,888**	**-0,172**	**16,675**	18,472	887	96635	35	6,4
23397696	copine I isoform a [Homo sapiens]	**0,888**	**-0,172**	**11,034**	…	231	59022	12	6,67
157266300	membrane alanine aminopeptidase precursor [Homo sapiens]	**0,885**	**-0,177**	**19,629**	4,309	2862	109471	41	7,6
4504483	hypoxanthine phosphoribosyltransferase 1 [Homo sapiens]	**0,883**	**-0,179**	**7,504**	…	207	24564	6	5,16
15991829	hexokinase 1 isoform HKI-ta/tb [Homo sapiens]	**0,883**	**-0,179**	**19,232**	…	880	102672	21	5,19
19913432	ATPase, H+ transporting, lysosomal, V0 subunit d1 [Homo sapiens]	**0,882**	**-0,180**	**11,409**	…	148	40303	4	7,57
4826686	DEAD (Asp-Glu-Ala-Asp) box polypeptide 1 [Homo sapiens]	**0,880**	**-0,184**	**14,412**	…	908	82380	28	9,97
4506221	proteasome 26S non-ATPase subunit 12 isoform 1 [Homo sapiens]	**0,879**	**-0,186**	**15,198**	…	180	52871	13	5,63
5802966	destrin isoform a [Homo sapiens]	**0,879**	**-0,186**	**16,684**	…	366	18493	8	5,47
4506063	cAMP-dependent protein kinase, regulatory subunit alpha 1 [Homo sapiens]	**0,877**	**-0,190**	**16,391**	10,495	228	42955	15	10,85
4502551	calumenin isoform a precursor [Homo sapiens]	**0,876**	**-0,190**	**15,112**	7,813	594	37084	11	9,73
41393545	RAB5C, member RAS oncogene family isoform b [Homo sapiens]	**0,873**	**-0,196**	**19,458**	13,472	1629	23468	11	6,41
5453597	F-actin capping protein alpha-1 subunit [Homo sapiens]	**0,864**	**-0,211**	**19,709**	2,541	803	32902	12	9,85
34147513	RAB7, member RAS oncogene family [Homo sapiens]	**0,863**	**-0,212**	**19,684**	17,200	2031	23475	17	4,09
10864011	sulfide dehydrogenase like [Homo sapiens]	**0,862**	**-0,215**	**17,757**	…	198	49929	21	9,41
41322923	plectin 1 isoform 11 [Homo sapiens]	**0,854**	**-0,227**	**16,560**	…	4516	515884	202	9,35
55770888	early endosome antigen 1, 162kD [Homo sapiens]	**0,854**	**-0,228**	**17,059**	3,789	767	162367	54	8,43
20149619	dehydrogenase/reductase (SDR family) member 7B [Homo sapiens]	**0,853**	**-0,230**	**3,507**	…	231	35097	6	6,01
14043072	heterogeneous nuclear ribonucleoprotein A2/B1 isoform B1 [Homo sapiens]	**0,850**	**-0,235**	**13,431**	3,636	2106	37407	16	8,32
4507761	ubiquitin and ribosomal protein L40 precursor [Homo sapiens]	**0,847**	**-0,240**	**13,687**	…	285	14719	5	6,08
4503301	2,4-dienoyl CoA reductase 1 precursor [Homo sapiens]	**0,846**	**-0,241**	**17,151**	19,693	190	36045	9	5,72
189083849	delta-aminolevulinic acid dehydratase [Homo sapiens]	**0,843**	**-0,247**	**19,770**	…	177	36271	9	6,58
4504327	mitochondrial trifunctional protein, beta subunit precursor [Homo sapiens]	**0,837**	**-0,257**	**10,158**	18,370	349	51262	21	6,95
4502599	carbonyl reductase 1 [Homo sapiens]	**0,832**	**-0,265**	**19,751**	17,412	2031	30356	15	5,05
4885063	fructose-bisphosphate aldolase C [Homo sapiens]	**0,832**	**-0,266**	**16,400**	…	942	39431	12	8,47
33413400	esterase D/formylglutathione hydrolase [Homo sapiens]	**0,831**	**-0,267**	**18,452**	…	404	31442	10	8,14
4503151	cathepsin K preproprotein [Homo sapiens]	**0,828**	**-0,272**	**18,424**	…	3266	36942	6	7,74
24308127	DnaJ (Hsp40) homolog, subfamily C, member 10 [Homo sapiens]	**0,827**	**-0,273**	**15,265**	…	199	91021	11	5,48
148277065	thioredoxin reductase 1 isoform 1 [Homo sapiens]	**0,827**	**-0,275**	**19,772**	…	662	60382	15	10,48
8922699	CNDP dipeptidase 2 [Homo sapiens]	**0,824**	**-0,279**	**7,401**	…	303	52746	14	4,76
55749490	syntenin isoform 1 [Homo sapiens]	**0,823**	**-0,281**	**1,563**	…	458	32424	8	6,19
4507185	sepiapterin reductase [Homo sapiens]	**0,822**	**-0,282**	**3,361**	…	495	28031	9	6,74
4502317	vacuolar H+ ATPase E1 isoform a [Homo sapiens]	**0,822**	**-0,282**	**19,237**	17,182	459	26129	18	5,22
7669492	glyceraldehyde-3-phosphate dehydrogenase [Homo sapiens]	**0,822**	**-0,284**	**19,878**	9,789	58282	36030	22	4,76
19913410	major vault protein [Homo sapiens]	**0,821**	**-0,284**	**19,441**	5,988	3181	99266	47	5,85
4505145	malic enzyme 2, NAD(+)-dependent, mitochondrial [Homo sapiens]	**0,818**	**-0,290**	**15,827**	…	149	65402	18	10,11
12667788	myosin, heavy polypeptide 9, non-muscle [Homo sapiens]	**0,816**	**-0,294**	**19,822**	6,953	31844	226392	151	5,69
7657015	hypothetical protein LOC51493 [Homo sapiens]	**0,815**	**-0,296**	**14,488**	8,070	193	55175	21	4,29
62530384	dodecenoyl-Coenzyme A delta isomerase precursor [Homo sapiens]	**0,814**	**-0,297**	**12,098**	…	144	32795	6	4,72
4502315	ATPase, H+ transporting, lysosomal V1 subunit C1 [Homo sapiens]	**0,812**	**-0,301**	**11,446**	…	153	43914	3	5,45
4758208	dual specificity phosphatase 3 [Homo sapiens]	**0,811**	**-0,301**	**18,681**	…	436	20465	9	6,26
4507249	signal transducing adaptor molecule 1 [Homo sapiens]	**0,811**	**-0,302**	**6,977**	…	188	59142	6	10,16
167466173	heat shock 70kDa protein 1B [Homo sapiens]	**0,808**	**-0,307**	**16,282**	4,929	1894	70009	30	4,71
20127454	5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohy	**0,806**	**-0,311**	**18,379**	0,871	1431	64575	32	5,52
63252913	gelsolin-like capping protein [Homo sapiens]	**0,806**	**-0,311**	**16,360**	1,341	807	38474	8	8,81
115430223	galectin 3 [Homo sapiens]	**0,804**	**-0,314**	**16,126**	8,879	887	26136	8	4,76
4827050	ubiquitin specific protease 14 isoform a [Homo sapiens]	**0,804**	**-0,315**	**13,254**	17,332	294	56033	21	5,7
118402586	glyoxalase I [Homo sapiens]	**0,803**	**-0,317**	**16,890**	…	410	20764	7	9,77
4506919	N-sulfoglucosamine sulfohydrolase precursor [Homo sapiens]	**0,802**	**-0,318**	**3,182**	…	231	56659	10	10,19
4505753	bisphosphoglycerate mutase 1 [Homo sapiens]	**0,795**	**-0,330**	**13,058**	7,472	1275	28786	15	7,53

19923748	dihydrolipoamide S-succinyltransferase (E2 component of 2-oxo-glutarate comp	**0,793**	**-0,335**	**8,609**	2,410	270	48724	8	8,16
5802974	peroxiredoxin 3 isoform a precursor [Homo sapiens]	**0,790**	**-0,340**	**14,590**	…	1509	27675	7	8,92
5729875	progesterone receptor membrane component 1 [Homo sapiens]	**0,789**	**-0,341**	**14,652**	2,870	471	21658	10	4,8
7656952	calcyclin binding protein isoform 1 [Homo sapiens]	**0,788**	**-0,345**	**16,015**	…	144	26194	11	5,87
13236587	transmembrane protein 43 [Homo sapiens]	**0,787**	**-0,346**	**16,327**	…	179	44847	10	7,55
4885049	cardiac muscle alpha actin 1 proprotein [Homo sapiens]	**0,785**	**-0,349**	**18,225**	16,561	8563	41992	26	7,66
4504771	eukaryotic translation initiation factor 6 isoform a [Homo sapiens]	**0,782**	**-0,354**	**4,151**	…	276	26582	7	6,08
88999583	myosin, light chain 6, alkali, smooth muscle and non-muscle isoform 2 [Homo s	**0,782**	**-0,355**	**18,092**	…	840	16950	11	8,9
7330335	chloride intracellular channel 4 [Homo sapiens]	**0,778**	**-0,362**	**13,853**	11,182	732	28754	15	6,34
8922712	septin 11 [Homo sapiens]	**0,775**	**-0,368**	**16,270**	19,010	1008	49367	20	5,85
29568111	myosin regulatory light chain 9 isoform a [Homo sapiens]	**0,773**	**-0,372**	**11,929**	…	1126	19814	11	7,66
189571662	delta-sarcoglycan isoform 3 [Homo sapiens]	**0,769**	**-0,379**	**3,803**	…	131	32051	11	6,29
12056473	N-acetylneuraminic acid phosphate synthase [Homo sapiens]	**0,767**	**-0,382**	**9,973**	…	214	40281	4	6,74
4507645	triosephosphate isomerase 1 isoform 1 [Homo sapiens]	**0,762**	**-0,391**	**18,250**	17,748	2740	26653	16	6,52
153251270	calcineurin-like phosphoesterase domain containing 1 isoform a [Homo sapiens	**0,762**	**-0,392**	**19,516**	…	164	35526	5	4,58
6912328	dimethylarginine dimethylaminohydrolase 1 isoform 1 [Homo sapiens]	**0,759**	**-0,397**	**18,579**	11,292	165	31102	16	5,63
7706322	homeobox prox 1 [Homo sapiens]	**0,759**	**-0,398**	**19,726**	…	665	28051	10	6,82
18201905	glucose phosphate isomerase [Homo sapiens]	**0,758**	**-0,399**	**19,406**	4,145	1996	63107	29	5,08
4503327	cytochrome b5 reductase 3 isoform m [Homo sapiens]	**0,757**	**-0,402**	**19,202**	16,289	2652	34213	15	6,43
33286418	pyruvate kinase, muscle isoform M2 [Homo sapiens]	**0,754**	**-0,407**	**19,954**	18,603	12721	57900	32	9,06
11056044	pyrophosphatase 1 [Homo sapiens]	**0,752**	**-0,411**	**19,952**	…	1003	32639	15	5,61
26051231	lactamase, beta isoform a [Homo sapiens]	**0,750**	**-0,416**	**17,592**	…	145	60655	8	9,16
5174539	cytosolic malate dehydrogenase [Homo sapiens]	**0,749**	**-0,416**	**19,640**	18,643	902	36403	17	6,19
4504041	guanine nucleotide binding protein (G protein), alpha inhibiting activity polypept	**0,746**	**-0,423**	**10,806**	12,409	489	40425	12	6,06
158937236	aminopeptidase puromycin sensitive [Homo sapiens]	**0,745**	**-0,425**	**16,805**	9,100	525	103211	23	7,71
9951915	adenosylhomocysteinase isoform 1 [Homo sapiens]	**0,744**	**-0,427**	**19,340**	10,513	426	47685	12	5,16
31543380	Parkinson disease protein 7 [Homo sapiens]	**0,743**	**-0,428**	**14,504**	…	330	19878	12	7,13
7661678	RAP1B, member of RAS oncogene family [Homo sapiens]	**0,743**	**-0,428**	**19,813**	7,197	4128	20812	10	6,51
14719392	cofilin 2 [Homo sapiens]	**0,743**	**-0,429**	**3,842**	…	800	18725	11	6,97
5174391	aldo-keto reductase family 1, member A1 [Homo sapiens]	**0,742**	**-0,431**	**14,608**	0,541	349	36550	11	6,02
63252900	tropomyosin 1 alpha chain isoform 4 [Homo sapiens]	**0,740**	**-0,435**	**18,950**	10,638	3398	32856	35	5,88
16306548	seryl-tRNA synthetase [Homo sapiens]	**0,739**	**-0,437**	**19,058**	16,574	295	58740	14	6,59
8659555	aconitase 1 [Homo sapiens]	**0,737**	**-0,440**	**18,030**	…	538	98337	18	4,76
22027538	programmed cell death 6 interacting protein isoform 1 [Homo sapiens]	**0,736**	**-0,441**	**13,052**	…	661	95963	29	6,3
18379349	vesicle amine transport protein 1 [Homo sapiens]	**0,736**	**-0,442**	**19,866**	6,599	1445	41893	17	7,67
62198232	3-hydroxy-3-methylglutaryl CoA lyase [Homo sapiens]	**0,729**	**-0,456**	**6,617**	…	126	34338	7	5,92
4506017	protein phosphatase 2, catalytic subunit, alpha isoform [Homo sapiens]	**0,729**	**-0,456**	**8,517**	…	142	35571	4	8,5
33356177	protein tyrosine phosphatase, non-receptor type 11 [Homo sapiens]	**0,727**	**-0,460**	**7,576**	…	62	67968	12	4,57
49574502	cytochrome b5 reductase 1 [Homo sapiens]	**0,724**	**-0,465**	**17,174**	6,691	294	34073	13	8,28
5453740	myosin, light chain 12A, regulatory, non-sarcomeric [Homo sapiens]	**0,721**	**-0,472**	**19,382**	…	1279	19781	8	7,88
4758638	peroxiredoxin 6 [Homo sapiens]	**0,718**	**-0,477**	**19,098**	…	1052	25019	16	5,41
13236495	crystallin, zeta isoform a [Homo sapiens]	**0,714**	**-0,487**	**10,176**	7,130	118	35185	12	8,27
4757834	BCL2-associated athanogene 2 [Homo sapiens]	**0,713**	**-0,488**	**6,380**	…	240	23757	15	10,51
4502011	adenylate kinase 1 [Homo sapiens]	**0,713**	**-0,489**	**19,156**	…	1080	21621	11	8,75
153218487	KDEL (Lys-Asp-Glu-Leu) containing 2 [Homo sapiens]	**0,711**	**-0,491**	**10,620**	12,658	136	58535	14	6,4
4501887	actin, gamma 1 propeptide [Homo sapiens]	**0,711**	**-0,491**	**19,883**	…	17546	41766	27	5,62
71037379	liver glycogen phosphorylase [Homo sapiens]	**0,706**	**-0,503**	**16,041**	0,033	533	97087	26	5,46
37594464	nudix-type motif 5 [Homo sapiens]	**0,704**	**-0,506**	**17,440**	…	343	24312	7	6,02
5454028	related RAS viral (r-ras) oncogene homolog [Homo sapiens]	**0,704**	**-0,506**	**13,849**	16,886	642	23466	12	4,5
21464101	tyrosine 3-monooxygenase/tryptophan 5-monooxygenase activation protein, ga	**0,703**	**-0,508**	**17,856**	17,197	1287	28285	18	8,3
5453549	peroxiredoxin 4 [Homo sapiens]	**0,700**	**-0,515**	**17,268**	12,764	1066	30521	13	6,45
4501885	beta actin [Homo sapiens]	**0,697**	**-0,520**	**19,467**	1,849	6030	41710	25	9,5
94557308	L-3-hydroxyacyl-Coenzyme A dehydrogenase precursor [Homo sapiens]	**0,693**	**-0,529**	**17,224**	…	429	34272	13	8,25
5453599	capping protein (actin filament) muscle Z-line, alpha 2 [Homo sapiens]	**0,691**	**-0,533**	**16,078**	17,884	568	32929	12	6,01
4758086	cysteine and glycine-rich protein 1 isoform 1 [Homo sapiens]	**0,690**	**-0,535**	**16,461**	…	623	20554	5	6,03
41406084	glutathione peroxidase 1 isoform 1 [Homo sapiens]	**0,689**	**-0,538**	**5,789**	…	205	22075	5	6,78
194097323	mitochondrial short-chain enoyl-coenzyme A hydratase 1 precursor [Homo sapi	**0,686**	**-0,544**	**11,176**	…	314	31367	9	6,1
4505701	pyridoxal kinase [Homo sapiens]	**0,681**	**-0,555**	**17,456**	…	344	35080	10	4,96
45387945	family with sequence similarity 62 (C2 domain containing) member B [Homo sa	**0,675**	**-0,567**	**7,808**	…	233	98840	22	5,34
4504175	glutathione S-transferase mu 2 isoform 1 [Homo sapiens]	**0,669**	**-0,579**	**18,309**	…	592	25728	20	5,81
47519616	tropomyosin 2 (beta) isoform 2 [Homo sapiens]	**0,662**	**-0,594**	**11,804**	5,299	2959	32970	27	7,02
7657347	mitochondrial carrier 2 [Homo sapiens]	**0,662**	**-0,595**	**2,521**	…	127	33309	8	6,15
5902102	small nuclear ribonucleoprotein D1 polypeptide 16kDa [Homo sapiens]	**0,660**	**-0,600**	**12,385**	…	154	13273	1	4,95
148352329	cell division cycle 10 isoform 2 [Homo sapiens]	**0,657**	**-0,605**	**17,721**	14,771	560	50549	19	8,49
112382250	spectrin, beta, non-erythrocytic 1 isoform 1 [Homo sapiens]	**0,630**	**-0,666**	**19,238**	12,060	1725	274439	93	7,01
33636742	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2 isoform a precursor [Homo	**0,650**	**-0,621**	**0,457**	…	174	87043	15	5,26
166795301	prenylcysteine oxidase 1 [Homo sapiens]	**0,648**	**-0,626**	**18,679**	…	627	56604	16	4,78
4503143	cathepsin D preproprotein [Homo sapiens]	**0,639**	**-0,646**	**19,959**	…	2698	44524	15	5,37
14165435	heterogeneous nuclear ribonucleoprotein K isoform b [Homo sapiens]	**0,637**	**-0,650**	**19,713**	…	1022	50944	22	5,07
14150100	nucleoside-triphosphatase C1orf57 [Homo sapiens]	**0,636**	**-0,653**	**6,535**	…	165	20700	8	4,94
88853865	isoamyl acetate-hydrolyzing esterase 1 homolog [Homo sapiens]	**0,635**	**-0,656**	**18,705**	…	91	27581	6	5,23
134142815	es1 protein isoform 1a precursor [Homo sapiens]	**0,634**	**-0,658**	**17,849**	…	117	28153	7	11,36
5031857	L-lactate dehydrogenase A isoform 1 [Homo sapiens]	**0,631**	**-0,664**	**19,882**	15,406	16418	36665	27	5,9
4505763	phosphoglycerate kinase 1 [Homo sapiens]	**0,631**	**-0,665**	**18,926**	18,333	3688	44586	29	4,79
4758484	glutathione-S-transferase omega 1 [Homo sapiens]	**0,622**	**-0,686**	**19,170**	3,587	266	27548	16	5,42
121114298	cullin 4B isoform 1 [Homo sapiens]	**0,621**	**-0,687**	**0,812**	…	174	103916	22	5,58
48762920	liver phosphofructokinase [Homo sapiens]	**0,621**	**-0,687**	**19,441**	…	135	84964	19	9,11
4506243	polypyrimidine tract-binding protein 1 isoform a [Homo sapiens]	**0,619**	**-0,693**	**19,975**	…	430	59596	14	6,45
5453916	progesterone receptor membrane component 2 [Homo sapiens]	**0,618**	**-0,694**	**19,722**	…	588	23804	10	6,38
5803011	enolase 2 [Homo sapiens]	**0,611**	**-0,710**	**16,582**	5,931	2281	47239	14	6,13
9845297	diablo isoform 1 precursor [Homo sapiens]	**0,602**	**-0,733**	**16,834**	…	148	27114	9	5,98
76496475	acyl-Coenzyme A dehydrogenase, very long chain isoform 2 precursor [Homo s	**0,597**	**-0,745**	**13,290**	…	286	68015	14	5,31
41322916	plectin 1 isoform 6 [Homo sapiens]	**0,596**	**-0,746**	**19,674**	…	4898	531466	227	9,87
114155144	tropomyosin 3 isoform 4 [Homo sapiens]	**0,594**	**-0,752**	**11,674**	…	1278	28853	27	9,21
12025678	actinin, alpha 4 [Homo sapiens]	**0,583**	**-0,778**	**19,771**	0,608	5241	104788	55	5,11
4506217	proteasome 26S non-ATPase subunit 10 isoform 1 [Homo sapiens]	**0,581**	**-0,783**	**19,450**	…	142	24412	8	5,76
4757952	cell division cycle 42 isoform 1 [Homo sapiens]	**0,575**	**-0,797**	**14,743**	…	613	21245	5	4,67
5453704	ADP-ribosylation-like factor 6 interacting protein 5 [Homo sapiens]	**0,573**	**-0,803**	**8,005**	…	517	21600	5	6,85
33598968	LIM domain only 7 isoform 1 [Homo sapiens]	**0,571**	**-0,809**	**18,506**	…	291	153575	26	5
5729770	tripeptidyl-peptidase I preproprotein [Homo sapiens]	**0,570**	**-0,811**	**13,958**	2,222	794	61210	8	9,83
23308751	3-hydroxyisobutyrate dehydrogenase [Homo sapiens]	**0,558**	**-0,840**	**19,549**	14,590	392	35306	8	4,73
23510451	N-acylaminoacyl-peptide hydrolase [Homo sapiens]	**0,554**	**-0,853**	**7,691**	…	241	81173	7	6,84
38044288	gelsolin isoform b [Homo sapiens]	**0,552**	**-0,858**	**19,771**	…	4716	80591	31	7,56
24475586	ependymin related protein 1 precursor [Homo sapiens]	**0,546**	**-0,873**	**3,871**	…	276	38126	12	7,45
116063573	filamin A, alpha isoform 1 [Homo sapiens]	**0,543**	**-0,880**	**19,973**	14,119	25719	279843	118	4,91
146229327	arylsulfatase A isoform b [Homo sapiens]	**0,538**	**-0,894**	**16,845**	…	589	44852	7	4,94
4758018	calponin 2 isoform a [Homo sapiens]	**0,538**	**-0,894**	**6,028**	…	686	33675	12	6,64
19913428	vacuolar H+ATPase B2 [Homo sapiens]	**0,537**	**-0,898**	**16,523**	…	1054	56465	19	9,27
4502171	adenine phosphoribosyltransferase isoform a [Homo sapiens]	**0,530**	**-0,915**	**5,843**	…	274	19595	9	5,32
189011546	N-acylsphingosine amidohydrolase 1 isoform b [Homo sapiens]	**0,523**	**-0,935**	**18,111**	3,282	211	46474	5	4,71
20270355	galactose mutarotase [Homo sapiens]	**0,523**	**-0,936**	**0,975**	…	84	37742	8	4,84
4504301	histone cluster 1, H4a [Homo sapiens]	**0,522**	**-0,938**	**4,390**	…	98	11360	5	5,46
17986283	tubulin, alpha 1a [Homo sapiens]	**0,521**	**-0,941**	**19,606**	…	10986	50104	19	6,42
13129092	transmembrane protein 109 [Homo sapiens]	**0,519**	**-0,945**	**19,719**	…	242	26194	7	6,39
4504183	glutathione transferase [Homo sapiens]	**0,515**	**-0,958**	**18,816**	19,345	4421	23341	13	10,66
19424132	NIMA-related kinase 7 [Homo sapiens]	**0,513**	**-0,962**	**18,871**	…	297	34528	13	8,63
189458812	glucan (1,4-alpha-), branching enzyme 1 [Homo sapiens]	**0,509**	**-0,974**	**19,134**	14,691	507	80409	26	6,73
14110414	heterogeneous nuclear ribonucleoprotein D isoform c [Homo sapiens]	**0,503**	**-0,990**	**19,042**	…	253	32814	10	4,33
38505218	putative acyl-CoA dehydrogenase [Homo sapiens]	**0,502**	**-0,995**	**9,789**	…	215	87209	15	8,06
38045898	RAB6-interacting protein 2 isoform epsilon [Homo sapiens]	**0,501**	**-0,997**	**0,696**	…	56	128008	23	8,45
5031875	lamin A/C isoform 2 [Homo sapiens]	**0,500**	**-1,000**	**18,293**	12,742	1610	65096	44	5,26
7657603	heme binding protein 2 [Homo sapiens]	**0,496**	**-1,011**	**19,329**	…	356	22861	8	6,22
4503987	gamma-glutamyl hydrolase precursor [Homo sapiens]	**0,492**	**-1,023**	**7,955**	…	361	35941	9	9,61
19923437	adenylate kinase 3 [Homo sapiens]	**0,486**	**-1,042**	**16,568**	…	346	25550	18	6,92
4505621	prostatic binding protein [Homo sapiens]	**0,484**	**-1,048**	**17,452**	…	1474	21044	10	10,14
32189392	peroxiredoxin 2 isoform a [Homo sapiens]	**0,480**	**-1,058**	**16,981**	…	1711	21878	10	5,77
8922601	ADP-ribosylation factor-like 10C [Homo sapiens]	**0,472**	**-1,084**	**13,342**	…	820	21525	10	5,3
21361621	phosphoglucomutase 1 [Homo sapiens]	**0,469**	**-1,091**	**19,821**	5,711	1357	61411	30	6,51
41152086	serine (or cysteine) proteinase inhibitor, clade B (ovalbumin), member 6 [Homo	**0,469**	**-1,094**	**18,782**	…	802	42594	19	8,97
62420888	dipeptidyl peptidase 7 preproprotein [Homo sapiens]	**0,467**	**-1,100**	**19,895**	2,290	449	54307	17	6,32
110611228	utrophin [Homo sapiens]	**0,466**	**-1,103**	**19,920**	…	88	394220	44	8,3
4507149	superoxide dismutase 1, soluble [Homo sapiens]	**0,460**	**-1,119**	**14,165**	…	324	15926	4	7,88
223555975	tropomyosin 4 isoform 1 [Homo sapiens]	**0,460**	**-1,121**	**15,323**	15,038	1157	32703	24	5,55
48255905	transgelin [Homo sapiens]	**0,456**	**-1,132**	**18,351**	18,288	3954	22596	20	5,82
22538442	cathepsin Z preproprotein [Homo sapiens]	**0,456**	**-1,134**	**17,972**	14,642	325	33846	3	6,2
33286420	pyruvate kinase, muscle isoform M1 [Homo sapiens]	**0,451**	**-1,150**	**17,232**	…	10223	58025	33	5,6
41406064	myosin, heavy polypeptide 10, non-muscle [Homo sapiens]	**0,450**	**-1,151**	**11,479**	…	3393	228858	77	8,72
194097350	actinin, alpha 1 isoform a [Homo sapiens]	**0,433**	**-1,208**	**18,226**	0,291	9623	105502	59	7,49
38016911	stomatin isoform a [Homo sapiens]	**0,428**	**-1,224**	**15,185**	8,306	862	31711	17	5,71
189181666	hexosaminidase A preproprotein [Homo sapiens]	**0,423**	**-1,242**	**12,146**	…	801	60664	16	8,85
93102364	SWAP-70 protein [Homo sapiens]	**0,419**	**-1,254**	**5,148**	…	175	68954	9	5,75
4501891	actinin, alpha 1 isoform b [Homo sapiens]	**0,415**	**-1,270**	**18,361**	…	309	102993	19	6,61
117189975	heterogeneous nuclear ribonucleoprotein C isoform a [Homo sapiens]	**0,404**	**-1,306**	**9,869**	…	162	33650	8	5,71
27734917	phospholipase B domain containing 2 [Homo sapiens]	**0,403**	**-1,310**	**18,685**	4,559	778	65430	9	4,8
29788785	tubulin, beta [Homo sapiens]	**0,400**	**-1,322**	**19,839**	14,384	7513	49639	23	8,21
63252906	tropomyosin 1 alpha chain isoform 7 [Homo sapiens]	**0,391**	**-1,355**	**17,996**	13,908	1998	32797	31	6,4
4505405	glycoprotein (transmembrane) nmb isoform b precursor [Homo sapiens]	**0,384**	**-1,380**	**13,408**	…	2518	62603	5	5,94
51873064	mannosidase, alpha, class 2B, member 1 precursor [Homo sapiens]	**0,382**	**-1,389**	**1,175**	…	127	113672	13	6,29
20149498	ferritin, light polypeptide [Homo sapiens]	**0,370**	**-1,433**	**18,094**	…	1979	20007	10	8,53

4504061	glucosamine (N-acetyl)-6-sulfatase precursor [Homo sapiens]	**0,368**	**-1,444**	**16,980**	…	611	62042	16	6,51
4506787	IQ motif containing GTPase activating protein 1 [Homo sapiens]	**0,367**	**-1,445**	**18,661**	19,770	5532	189134	84	10,56
4502565	calpain, small subunit 1 [Homo sapiens]	**0,354**	**-1,497**	**18,249**	…	1006	28298	10	9,46
119372308	galactosidase, beta 1 isoform a preproprotein [Homo sapiens]	**0,330**	**-1,597**	**17,497**	14,547	505	76027	9	7,9
4503379	dihydropyrimidinase-like 3 [Homo sapiens]	**0,328**	**-1,609**	**13,481**	…	1395	61924	22	4,6
4826657	caldesmon 1 isoform 2 [Homo sapiens]	**0,312**	**-1,680**	**11,488**	…	460	62626	24	6,47
40317626	thrombospondin 1 precursor [Homo sapiens]	**0,309**	**-1,692**	**14,661**	…	679	129300	25	5,53
4505467	5' nucleotidase, ecto [Homo sapiens]	**0,303**	**-1,723**	**19,342**	12,734	617	63327	27	5,52
25188179	voltage-dependent anion channel 3 isoform b [Homo sapiens]	**0,300**	**-1,739**	**8,996**	…	509	30639	10	5,63
16933540	fibroblast activation protein, alpha subunit [Homo sapiens]	**0,292**	**-1,777**	**18,050**	9,355	939	87657	31	8,85
4504373	hexosaminidase B preproprotein [Homo sapiens]	**0,288**	**-1,798**	**19,826**	…	1124	63071	25	4,78
8922673	parvin, alpha [Homo sapiens]	**0,283**	**-1,821**	**15,425**	…	324	42217	12	5,42
56682959	ferritin, heavy polypeptide 1 [Homo sapiens]	**0,219**	**-2,192**	**19,777**	19,777	832	21212	10	5,43
217330598	glyoxalase domain containing 4 [Homo sapiens]	**0,275**	**-1,861**	**10,732**	…	153	33212	11	8,35
18765694	dipeptidylpeptidase IV [Homo sapiens]	**0,272**	**-1,880**	**19,665**	4,084	330	88222	23	6,08
154759259	spectrin, alpha, non-erythrocytic 1 (alpha-fodrin) isoform 2 [Homo sapiens]	**0,265**	**-1,917**	**18,828**	18,592	2853	284364	123	9,15
94721252	vesicle-associated membrane protein-associated protein A isoform 2 [Homo sa	**0,260**	**-1,943**	**9,674**	…	225	27875	8	8,76
4503139	cathepsin B preproprotein [Homo sapiens]	**0,256**	**-1,963**	**17,948**	…	9705	37797	7	9,08
116734847	amylo-1,6-glucosidase, 4-alpha-glucanotransferase isoform 1 [Homo sapiens]	**0,254**	**-1,978**	**8,407**	…	131	174652	18	5,74
164698494	septin 9 isoform a [Homo sapiens]	**0,246**	**-2,026**	**17,961**	…	955	65361	18	4,95
4507879	voltage-dependent anion channel 1 [Homo sapiens]	**0,229**	**-2,129**	**14,136**	…	1130	30754	14	9,94
4503037	cellular repressor of E1A-stimulated genes [Homo sapiens]	**0,227**	**-2,139**	**8,119**	…	516	24059	2	5,84
15451856	caveolin 1 [Homo sapiens]	**0,218**	**-2,199**	**17,508**	…	710	20458	8	4,84
62414289	vimentin [Homo sapiens]	**0,193**	**-2,373**	**19,903**	6,231	48345	53619	50	7,66
167830475	milk fat globule-EGF factor 8 protein isoform a [Homo sapiens]	**0,138**	**-2,859**	**14,687**	…	314	43078	9	6,84
221316622	dystonin isoform 3 [Homo sapiens]	**0,117**	**-3,090**	**15,007**	…	23	633274	91	9,42
117306169	prolylcarboxypeptidase isoform 2 preproprotein [Homo sapiens]	**0,110**	**-3,179**	**7,967**	…	261	58062	9	6,15
34485714	Ras-related protein Rab-23 [Homo sapiens]	**0,097**	**-3,371**	**18,675**	…	620	26643	11	4,93
4504957	lysosomal-associated membrane protein 2 isoform A precursor [Homo sapiens]	**0,068**	**-3,876**	**19,705**	…	501	44932	4	6,41
133925809	inter-alpha (globulin) inhibitor H3 preproprotein [Homo sapiens]	**0,036**	**-4,797**	**9,134**	…	132	99787	15	7,99

Table S3. **Proteins expressed at lower level in both male and female skin fibroblasts from HGPS patients compared with age-matched female and male healthy controls.**

RSD: relative standard deviation

Common name (GI Acc. Code)	Protein name	Male HGPS vs. control			Female HGPS vs. control		
		Silac ratio	RSD	Mascot Score	Silac ratio	RSD	Mascot Score
NQO1 (4505415)	NAD(P)H menadione oxidoreductase 1, dioxin-inducible isoform a	**-5,72**	3,67	1968	**-3,71**	18,79	2735
ATP5F1 (21361565)	ATP syn, H+ trans, mitochondrial F0 complex, subunit B1 precursor	**-3,65**	16,52	577	**-1,66**	6,62	835
PHGDH (23308577)	phosphoglycerate dehydrogenase	**-3,56**	11,52	327	**-2,06**	8,28	304
RPS5 (13904870)	ribosomal protein S5	**-3,51**	14,35	638	**-3,27**	8,31	297
RPS6 (17158044)	ribosomal protein S6	**-3,17**	4,94	281	**-2,02**	19,84	285
SSR1 (169404009)	signal sequence receptor, alpha	**-2,99**	7,99	197	**-1,63**	4,15	354
RPL13 (15431295)	ribosomal protein L13	**-2,98**	16,73	427	**-2,64**	1,45	232
ATP5C1 (4885079)	ATP syn, H+ transp, mit F1, gamma subunit isoform H (heart) precursor	**-2,88**	2,49	162	**-1,97**	9,49	171
RPL23 (17105394)	ribosomal protein L23a	**-2,82**	4,07	288	**-2,08**	8,96	135
ATP50 (4502303)	mit ATP synth, O subunit precursor	**-2,80**	9,64	339	**-1,59**	16,49	524
Col1A1(110349772)	alpha 1 type I collagen preproprot	**-2,77**	3,98	370	**-2,97**	10,86	397
RPL7A (4506661)	ribosomal protein L7a	**-2,70**	17,20	581	**-2,17**	13,2	940
HDLBP (4885409)	high density lipoprot binding protein	**-2,65**	19,31	314	**-3,46**	13,65	709
LRPPRC (31621305)	leucine-rich PPR motif-containing protein	**-2,65**	4,10	581	**-2,00**	13,87	248
ANXA2 (50845388)	annexin A2 isoform 1	**-2,58**	16,03	5158	**-1,68**	19,01	3158
RPS3A (4506723)	ribosomal protein S3a	**-2,56**	14,34	375	**-2,40**	15,82	441
RPL15 (15431293)	ribosomal protein L15	**-2,51**	10,01	243	**-1,99**	15,65	232
ATP5A1 (4757810)	ATP synthase, H+ transporting, mit F1 complex, α subunit precursor	**-2,45**	17,65	847	**-1,78**	13,23	2415
RPL10 (15431288)	ribosomal protein L10	**-2,45**	0,67	653	**-2,17**	18,62	417
RPS2 (4506707)	ribosomal protein S2	**-2,43**	8,44	883	**-1,98**	7,38	770
DDOST (20070197)	dolichyl-diphosphooligosaccharide-protein glycosyltransf precursor	**-2,38**	18,01	597	**-1,67**	6,15	740
CKAP4 (19920317)	cytoskeleton-associated protein 4	**-2,33**	4,07	2823	**-1,95**	18,27	2281
COL6A1 (87196339)	collagen, type VI, alpha 1 precursor	**-2,32**	15,46	489	**-1,81**	18,06	2167
COL1A2 (48762934)	alpha 2 type I collagen	**-2,30**	6,84	488	**-2,95**	8,73	288
RPS4X (4506725)	ribosom protein S4, X-linked X isof.	**-2,28**	6,50	584	**-1,80**	15,86	575
PRKCDBP (47132587)	protein kinase C, delta binding protein	**-2,28**	15,25	257	**-2,17**	18	738
RPL18 (4506607)	ribosomal protein L18	**-2,26**	6,03	1000	**-1,77**	19,84	1054
AHNAK (61743954)	AHNAK nucleoprotein isoform 1	**-2,25**	9,27	3062	**-1,93**	3,62	3409
RPS9 (14141193)	ribosomal protein S9	**-2,22**	19,01	345	**-2,33**	19,63	260
RPL8 (4506663)	ribosomal protein L8	**-2,20**	1,90	397	**-1,78**	12,76	146
RPL6 (16753227)	ribosomal protein L6	**-2,19**	16,01	1120	**-1,83**	7,90	912
RPS7 (4506741)	ribosomal protein S7	**-2,16**	7,74	581	**-1,75**	18,91	508
RPL9 (15431303)	ribosomal protein L9	**-2,12**	1,10	745	**-1,77**	14,52	468
IKBIP (42491362	IKK interacting protein isoform 2	**-2,12**	7,32	258	**-2,49**	14,39	744
GNB2L1 (5174447)	guanine nucleotide binding protein (G protein), beta polypeptide2-like 1	**-2,11**	3,16	890	**-1,55**	4,04	745
RPL14 (78000181)	ribosomal protein L14	**-2,1**	11,04	512	**-2,6**	18,58	640
RPL10A (15431288)	ribosomal protein L10a	**-2,08**	11,38	518	**-1,77**	3,84	321
RPS25 (4506707)	ribosomal protein S25	**-2,08**	7,06	178	**-2,21**	13,08	129
RPS8 (4506743)	ribosomal protein S8	**-2,07**	14,23	651	**-1,9**	5,56	587
RPL3 (4506649)	ribosomal protein L3 isoform a	**-2,05**	4,17	150	**-1,82**	9,79	110

PSAT1 (17402893)	phosphoserine aminotransf 1 isof 1	**-2,01**	4,56	764	**-2,04**	7,23	165
EHD2 (21361462)	EH-domain containing 2	**-2,01**	15,76	1142	**-1,67**	10	761
RPL18A (11415026)	ribosomal protein L18a	**-2,00**	6,92	53	**-1,60**	16,36	88
TALDO1 (58031879)	transaldolase 1	**-1,97**	17,46	844	**-1,65**	1,46	439
SERPINH1 (32454741)	serine (cys) proteinase inhibitor,cladeH,member 1 precurs	**-1,96**	3,54	5072	**-5,60**	8,05	2396
PNP (157168362)	nucleoside phosphorylase	**-1,95**	10,06	247	**-1,94**	8,30	323
GSTM3 (23065552)	glutathione S-transferase mu 3	**-1,93**	18,87	908	**-2,95**	17,03	534
RPL19 (4506609)	ribosomal protein L19	**-1,93**	11,45	421	**-2,01**	19,43	337
GSTK1 (7705704)	glutathione S-transferase kappa 1 isoform a	**-1,92**	4,57	647	**-2,03**	18,82	677
ATP5B (32189394)	mitochondrial ATP synthase beta subunit precursor	**-1,88**	2,73	3132	**-1,52**	7,25	3067
RPSA (9845502)	ribosomal protein SA	**-1,86**	18,38	959	**-2,09**	2,86	407
TPD52L2 (40805868)	tumor protein D52-like 2 isoform c	**-1,85**	15,73	562	**-3,28**	18,04	557
ACAA1 (4501853)	acetyl-CoA acyltransfer 1 isoform a	**-1,80**	13,56	583	**-2,16**	14,15	116
YWHAH (4507951)	tyrosine 3-monooxygen/tryptophan 5-monooxygen activat protein, eta polypeptide	**-1,79**	15,68	992	**-1,50**	17,85	726
PTRF (42734430)	Pol I and transcript release factor	**-1,79**	2,65	3259	**-1,82**	15,55	3236
RPL23 (4506605)	ribosomal protein L23	**-1,78**	8,26	218	**-1,72**	13,31	224
RPLP0 (4506667)	ribosomal protein P0	**-1,76**	17,37	403	**-2,41**	2,43	678
PSME1 (5453990)	proteasome activa subunit 1 isoform 1	**-1,74**	15,19	401	**-1,55**	19,70	592
RPS3 (15718687)	ribosomal protein S3	**-1,74**	4,24	609	**-1,71**	11,18	645
FKBP3 (4503727)	FK506 binding protein 3, 25kDa	**-1,72**	15,08	147	**-1,81**	16,24	111
SPCS3 (11345462)	signal peptidase complex subunit 3	**-1,71**	0,87	125	**-1,52**	7,89	175
YARS (4507947)	tyrosyl-tRNA synthetase	**-1,71**	12,84	206	**-1,53**	10,02	177
FAM3C (7661714)	family with sequence similarity 3, member C precursor	**-1,71**	2,11	525	**-1,76**	19,81	376
RRBP1 (110611218)	ribosome binding protein 1	**-1,70**	2,25	561	**-2,43**	12,72	626
TAGLN2 (4507357)	transgelin 2	**-1,68**	9,67	4263	**-2,22**	16,2	3350
SHMT2 (19923315)	serine hydroxymethyltransf 2 (mit.)	**-1,68**	17,90	335	**-1,64**	19,55	348
MAP1B (153945728)	microtubule-associated protein 1B	**-1,66**	7,32	223	**-1,65**	19,98	180
SEPT2 (4758158)	septin 2	**-1,62**	19,38	793	**-2,25**	12,63	515
RPS16 (4506691)	ribosomal protein S16	**-1,61**	2,07	189	**-1,63**	17,12	152
MRC2 (110624774)	mannose receptor, C type 2	**-1,60**	2,14	140	**-2,78**	18,72	184
FSCN1 (4507115)	fascin 1	**-1,57**	19,41	712	**-1,93**	19,59	447
P4HA2 (4758868)	prolyl 4-hydroxyl, α-II isof 1 precur	**-1,57**	11,61	225	**-3,65**	16,2	401
CLIC1 (14251209)	chloride intracellular channel 1	**-1,54**	3,69	855	**-1,72**	15,33	649
HSP90AB1 (20149594)	heat shock 90kDa protein 1, beta	**-1,52**	12,77	2797	**-2,11**	12,94	3133
MME (116256327)	membrane metallo-endopeptidase	**-1,52**	4,85	494	**-1,93**	4,34	1568
NARS (4758762)	asparaginyl-tRNA synthetase	**-1,52**	15,98	504	**-1,5**	5,44	726
ARL3 (4757774)	ADP-ribosylation factor-like 3	**-1,51**	10,96	457	**-1,80**	3,46	234
SYNCRIP (23397427)	synaptotagmin binding, cytoplasmic RNA interacting protein	**-1,50**	18,46	449	**-1,67**	18,6	257
NAPA (47933379)	N-ethylmaleimide-sensitive factor attachment protein, alpha	**-1,50**	15,87	452	**-1,93**	5,20	1155
CD44 (48255937)	CD44 antigen isoform 2 precursor	**----**	----	----	**-2,54**	4,44	68
CD44 (48255935)	CD44 antigen isoform 1 precursor	**-1,96**	5,78	844	**----**	----	----

Table S4. **Proteins expressed at higher level in both male and female skin fibroblasts from HGPS patients compared with age-matched female and male healthy controls.**

RSD: relative standard deviation

Common name (GI Acc. Code)	Protein name	Male HGPS vs. control			Female HGPS vs. control		
		Silac ratio	RSD	Mascot Score	Silac ratio	RSD	Mascot Score
PLOD2 (33636742)	procollagen-lysine, 2-oxoglutarate 5-dioxygenase 2 isoform a precursor	**6,16**	15,00	280	**1,54**	0,46	174
EPDR1 (24475586)	ependymin related protein 1 precursor	**3,72**	14,52	400	**1,83**	3,87	276
PLBD2 (27734917)	phospholipase B domain containing 2	**3,47**	19,45	470	**2,48**	4,56	778
ENO2 (5803011)	enolase 2	**2,98**	0,14	2414	**1,64**	5,93	2281
TUBB (29788785)	tubulin, beta	**2,89**	18,92	38	**2,50**	14,38	7513
AK3 (19923437)	adenylate kinase 3	**2,72**	9,68	753	**2,06**	16,57	346
LDHA (5031857	L-lactate dehydrogenase A isoform 1	**2,48**	19,59	130	**1,58**	15,41	16418
HEXB (4504373)	hexosaminidase B preproprotein	**2,49**	9,11	1344	**3,48**	19,83	1124
HEXA (189181666)	hexosaminidase A preproprotein	**2,38**	19,81	138	**2,37**	12,15	801
TPM2 (47519616)	tropomyosin 2 (beta) isoform 2	**2,29**	17,48	1938	**1,51**	5,3	2959
PCYOX1 (166795301)	prenylcysteine oxidase 1	**2,19**	5,69	383	**1,54**	18,68	627
LMO7 (33598968)	LIM domain only 7 isoform 1	**2,10**	17,31	455	**1,75**	18,51	291
CTSD (4503143)	cathepsin D preproprotein	**2,05**	1,41	1872	**1,56**	19,96	2698
TPP1 (5729770)	tripeptidyl-peptidase I preproprotein	**1,89**	19,26	253	**1,75**	2,22	794
CTSB (4503139)	cathepsin B preproprotein	**1,80**	2,19	5497	**3,90**	17,94	9705
FTL (20149498)	ferritin, light polypeptide	**1,63**	6,58	1114	**2,70**	18,09	1979
HIBADH (23308751)	3-hydroxyisobutyrate dehydrogenase	**1,62**	1,80	392	**1,79**	14,59	896
PGRMC2 (5453916)	progesterone receptor membrane component 2	**1,62**	6,92	1156	**1,62**	19,72	588
PGK1 (4505763)	phosphoglycerate kinase 1	**1,57**	17,52	602	**2,12**	13,34	820
APRT (4502171)	adenine phosphoribosyltransf isoform a	**1,57**	13,54	546	**1,72**	14,74	613
ARL8B (8922601)	ADP-ribosylation factor-like 10C	**1,56**	16,48	2287	**1,59**	18,33	3688
CDC42 (4757952)	cell division cycle 42 isoform 1	**1,56**	19,63	409	**1,89**	5,84	274
FTH1 (56682959)	ferritin, heavy polypeptide 1	**1,53**	2,6	551	**4,57**	19,78	832
PKM (33286420)	pyruvate kinase, muscle	**1,54**	4,02	9242	**2,22**	17,23	10223
CDC10 (148352329)	cell division cycle 10 isoform 2	**1,51**	3,83	359	**1,52**	14,77	560
FLNA (116063573)	filamin A, alpha isoform 1	**1,52**	5,13	12591	**1,84**	14,12	25719