

Protein name	Gene name	Fold-change ratio	Regulation	Mean LFQ intensity Alpha Crystallin B Group	Mean LFQ intensity PBS Group
40S ribosomal protein S15	<i>Rps15</i>	1.93	Down	54261000	104496000
60S ribosomal protein L32	<i>Rpl32</i>	1.55	Down	511965000	792492500
Acetyl-CoA carboxylase 1;Biotin carboxylase	<i>Acaca</i>	1.72	Up	254480000	147957500
Activated RNA polymerase II transcriptional coactivator p15	<i>Sub1</i>	2.24	Up	1161980000	518802500
Activity-dependent neuroprotector homeobox protein	<i>Adnp</i>	1.82	Down	62292500	113136000
ADP-sugar pyrophosphatase	<i>Nudt5</i>	2.13	Up	130560000	61229000
Alpha-1B-glycoprotein	<i>A1bg</i>	1.68	Up	142690000	84804000
Alpha-internexin	<i>Ina</i>	2.32	Down	636297500	1474150000
Anion exchange protein 2	<i>Slc4a2</i>	1.57	Up	75682500	48292000
ATP synthase protein 8	<i>Mt-atp8</i>	1.72	Up	210400000	122442500
ATP-binding cassette sub-family A member 2	<i>Abca2</i>	1.78	Down	888925000	1581000000
Beta-arrestin-1	<i>Arrb1</i>	2.07	Up	595772500	288182500
Beta-crystallin A3;Beta-crystallin A3	<i>Cryba1</i>	1.58	Up	271492500	171631500
Beta-crystallin A4	<i>Cryba4</i>	3.39	Up	85191750	25144500
Beta-crystallin B2	<i>Crybb2</i>	1.89	Up	1062927500	561807500
Beta-crystallin S	<i>Crygs</i>	1.68	Up	107755000	64106750
Calcium-binding mitochondrial carrier protein SCaMC-2	<i>Slc25a25</i>	1.56	Up	108535333	69402000
Casein kinase I isoform delta	<i>Csnk1d</i>	2.17	Down	10006000	21690000
Cellular nucleic acid-binding protein	<i>Cnbp</i>	1.54	Down	203021250	312617500
Clathrin light chain A	<i>Clta</i>	1.77	Up	846083333	478195000
Clusterin;Clusterin beta chain;Clusterin alpha chain	<i>Clu</i>	1.91	Up	189795000	99412500
Creatine kinase M-type	<i>Ckm</i>	1.70	Up	641130000	377383333
Diphosphoinositol polyphosphate phosphohydrolase 2	<i>Nudt4</i>	1.51	Up	59385000	39292000
DNA topoisomerase 1	<i>Top1</i>	1.52	Up	57442000	37900000
DNA topoisomerase 2-alpha	<i>Top2a</i>	1.81	Up	152155000	83870333.3
Dual specificity tyrosine-phosphorylation-regulated kinase 1A	<i>Dyrk1a</i>	1.60	Down	74864000	119740000
Electron transfer flavoprotein-ubiquinone oxidoreductase, mitochondrial	<i>Etf1dh</i>	1.66	Up	133353333	80505000
Eukaryotic translation initiation factor 1A	<i>Eif1a</i>	1.67	Up	102425500	61270000
Fibrinogen alpha chain;Fibrinopeptide A;Fibrinogen alpha chain	<i>Fga</i>	1.86	Down	65288500	121578750

Filamin-C	<i>Flnc</i>	1.55	Up	222650000	143610000
Gamma-crystallin B	<i>Crygb</i>	1.70	Down	168032500	285753333
Gamma-crystallin C	<i>Crygc</i>	1.99	Up	41397650	20802250
Glycine cleavage system H protein, mitochondrial	<i>Gcsh</i>	1.76	Up	142490000	80924000
Golgi resident protein GCP60	<i>Acbd3</i>	1.97	Up	117733500	59821500
GPI inositol-deacylase	<i>Pgap1</i>	1.74	Down	81943500	142834750
Guanine nucleotide- binding protein G(I)/G(S)/G(O) subunit gamma-11	<i>Gng11</i>	2.00	Down	317790000	634080000
Hemoglobin subunit beta-2	<i>Hbb-b2</i>	2.31	Down	1296967500	2997475000
Histone H2A type 2-A	<i>Hist2h2aa3</i>	1.99	Down	4218075000	8381700000
Histone H2B type 1;Histone H2B type 1-A	<i>Hist1h2ba</i>	1.78	Down	4303400000	7642825000
Histone H3.3;Histone H3.1	<i>H3f3b</i>	1.87	Down	925393333	1734025000
Histone H4;Osteogenic growth peptide	<i>Hist1h4b</i>	2.07	Down	2266950000	4700975000
Lamin-B1	<i>Lmnb1</i>	3.42	Down	1433960000	4896975000
Large neutral amino acids transporter small subunit 1	<i>Slc7a5</i>	5.14	Up	132143000	25704000
Liprin-alpha-3	<i>Ppfia3</i>	1.50	Up	132940000	88788000
Methyl-CpG-binding protein 2	<i>Mecp2</i>	1.84	Down	217625000	399940000
Mitochondrial pyruvate carrier 1	<i>Mpc1</i>	2.28	Up	796500000	348980000
Myristoylated alanine- rich C-kinase substrate	<i>Marcks</i>	2.47	Up	1760595000	713300000
NAD-dependent protein deacylase sirtuin-5, mitochondrial	<i>Sirt5</i>	1.88	Up	172790000	91968666.7
Neurofilament light polypeptide	<i>Nefl</i>	1.98	Down	545370000	1078150000
Neuronal calcium sensor 1	<i>Ncs1</i>	1.79	Down	42340000	75598000
Non-histone chromosomal protein HMG-17	<i>Hmgn2</i>	1.51	Down	316087500	476235000
Nucleoporin NUP53	<i>Nup35</i>	1.84	Down	61615000	113388667
Nucleoprotein TPR	<i>Tpr</i>	1.54	Down	393040000	606462500
NudC domain- containing protein 2	<i>Nudcd2</i>	2.07	Up	85053333.3	41075000
Peptidyl-prolyl cis-trans isomerase F, mitochondrial	<i>Ppif</i>	1.68	Down	49242000	82583000
Peroxisomal biogenesis factor 19	<i>Pex19</i>	1.74	Up	42736000	24579000
Peroxisomal membrane protein PEX14	<i>Pex14</i>	1.64	Up	101900000	62250000
Phospholipid hydroperoxide glutathione peroxidase	<i>Gpx4</i>	1.99	Up	1290360000	647730000
Plectin	<i>Plec</i>	1.71	Down	554365000	949052500
Podocalyxin	<i>Podxl</i>	2.08	Up	119540500	57478000
Polyamine-modulated factor 1-binding protein 1	<i>Pmf1bp1</i>	2.49	Up	755560000	302990000
Prelamin-A/C;Lamin- A/C	<i>Lmna</i>	3.58	Down	341547500	1222425000

Probable 2-oxoglutarate dehydrogenase E1 component DHKTD1, mitochondrial	<i>Dhtkd1</i>	1.51	Down	35048500	52998000
Prosaposin receptor GPR37	<i>Gpr37</i>	2.10	Up	671413333	319330000
Protein BUD31 homolog	<i>Bud31</i>	2.88	Down	28350666.7	81558275
Protein Hikeshi	<i>HIKESHI</i>	2.18	Down	38476000	84060000
Protein phosphatase inhibitor 2	<i>Ppp1r2</i>	1.56	Down	170503333	265972500
Protein THEM6	<i>Them6</i>	1.56	Up	98520000	63031000
Ras-related protein Rab-35	<i>Rab35</i>	1.55	Down	372712500	576117500
Receptor-type tyrosine-protein phosphatase alpha	<i>Ptptra</i>	2.17	Down	26060000	56626000
Retinal dehydrogenase 1	<i>Aldh1a1</i>	11.69	Down	91349750	1067577500
RNA-binding motif protein, X chromosome retrogene-like	<i>Rbmxrtl;Rbmxl1</i>	3.02	Up	232250000	76812000
RNA-binding protein 8A	<i>Rbm8a</i>	1.52	Down	254630000	386995000
Serine protease inhibitor A3K	<i>Serpina3k</i>	1.51	Down	132024667	199932500
Serine/threonine-protein kinase 24	<i>Stk24</i>	1.61	Up	104294333	64753000
Serpin H1	<i>Serpinh1</i>	1.61	Up	193510000	120133333
SH3 domain-containing kinase-binding protein 1	<i>Sh3kbp1</i>	1.86	Up	47868000	25696500
THO complex subunit 6 homolog	<i>Thoc6</i>	2.04	Up	80596000	39597500
Threonine--tRNA ligase, mitochondrial	<i>Tars2</i>	1.59	Up	84227500	52861000
Transcriptional repressor CTCF	<i>Ctcf</i>	1.90	Down	34962666.7	66479250
Trophoblast glycoprotein	<i>Tpbg</i>	1.72	Down	49395000	84988000
Tubulin polymerization-promoting protein family member 3	<i>Tppp3</i>	1.57	Down	350595000	549615000
Tyrosine 3-monooxygenase	<i>Th</i>	1.87	Down	54232000	101462000
Urea transporter 1	<i>Slc14a1</i>	1.75	Up	367257500	209727500
Very-long-chain 3-oxoacyl-CoA reductase	<i>Hsd17b12</i>	1.51	Up	283850000	187745000
WD repeat-containing protein 6	<i>Wdr6</i>	1.92	Down	10836000	20762000
Zinc finger protein 652	<i>Znf652</i>	1.63	Down	7768200	12693000