

Gene	Gene description
ABHD5	abhydrolase domain containing 5
ACADS	acyl-CoA dehydrogenase, C-2 to C-3 short chain
ACADVL	acyl-CoA dehydrogenase, very long chain
ACTA1	actin, alpha 1, skeletal muscle
ACTN2	actinin, alpha 3 (gene)
ACTN3	actinin, alpha 3 (gene/pseudogene)
ACVR1	activin A receptor, type I
AGL	amylase, alpha-1, 6-glycosidase, 4-alpha-glycanotransferase
AIFM1	apoptosis-inducing factor, mitochondrion-associated, 1
ALG13	ALG13, UDP-N-acetylglucosaminyltransferase subunit
ALG14	ALG14, UDP-N-acetylglucosaminyltransferase subunit
ALG2	ALG2, alpha-1,3/1,6-mannosyltransferase
ANO5	anoctamin 5
ANT1 (SLC25A4)	solute carrier family 25 member 4
ATP2A1	ATPase, Ca ⁺⁺ transporting, cardiac muscle, fast twitch 1
B3GALNT2	beta-1,3-N-acetylgalactosaminyltransferase 2
B3GNT1	UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 1
B4GALNT1	beta-1,4-N-acetyl-galactosaminyl transferase 1
BAG3	BCL2-associated athanogene 3
BICD2	bicaudal D homolog 2 (Drosophila)
BIN1	bridging integrator 1
C20orf72	mitochondrial genome maintenance exonuclease 1
C10orf2 (Twinkle)	chromosome 10 open reading frame 2
CACNA1A	calcium channel, voltage-dependent, P/Q type, alpha 1A subunit
CACNA1S	calcium channel, voltage-dependent, L type, alpha 1S subunit
CAPN3	calpain 3, (p94)
CASQ1	calsequestrin 1
CASQ2	calsequestrin 2
CAV3	caveolin 3
CELF1	CUGBP, Elav-like family member 1
CELF2	CUGBP, Elav-like family member 2
CFL2	cofilin 2 (muscle)
CHKB	choline kinase beta
CKM	creatine kinase, muscle
CLCN1	chloride channel, voltage-sensitive 1
CMYA5	cardiomyopathy associated 5
CNBP (ZNF9)	CCHC-type zinc finger, nucleic acid binding protein
CNTN1	contactin 1
COL12A1	collagen, type XII, alpha 1
COL6A1	collagen, type VI, alpha 1
COL6A2	collagen, type VI, alpha 2
COL6A3	collagen, type VI, alpha 3
CPT2	carnitine palmitoyltransferase 2
CRYAB	crystallin, alpha B
CSRP3	cysteine and glycine-rich protein 3 (cardiac LIM protein)
DAG1	dystroglycan 1 (dystrophin-associated glycoprotein 1)
DCST2	DC-STAMP domain containing 2
DES	desmin
DMD	dystrophin
DMPK	dystrophin myotonia-protein kinase
DNAJB6	DnaJ (Hsp40) homolog, subfamily B, member 6
DNM2	dynamitin 2
DOLK	dolichol kinase
DPAGT1	dolichyl-phosphate (UDP-N-acetylglucosamine) N-acetylglucosaminophosphotransferase 1 (GlcNAc-1-P transferase)
DPM1	dolichyl-phosphate mannosyltransferase polypeptide 1, catalytic subunit
DPM2	dolichyl-phosphate mannosyltransferase polypeptide 2, regulatory subunit
DPM3	dolichyl-phosphate mannosyltransferase polypeptide 3
DYSF	dysferlin
DUX4	double homeobox 4
ECEL1	endothelin converting enzyme-like 1
EMD	emerin
ENO3	enolase 3 (beta, muscle)
ETFA	electron-transfer-flavoprotein, alpha polypeptide
ETFB	electron-transfer-flavoprotein, beta polypeptide
ETFDH	electron-transferring-flavoprotein dehydrogenase
EXOSC3	exosome component 3
FBN2	fibrillin 2
FBXO32	F-box protein 32
FHL1	four and a half LIM domains 1
FHL2	four and a half LIM domains 2
FKRP	fukutin related protein
FKTN	fukutin
FLNC	filamin C, gamma
GAA	glucosidase, alpha; acid
GATM	glycine amidinotransferase (L-arginine:glycine amidinotransferase)
GBE1	glucan (1,4-alpha-), branching enzyme 1
GMPPB	GDP-mannose pyrophosphorylase B
GNB4	guanine nucleotide binding protein (G protein), beta polypeptide 4
GNE	glucosamine (UDP-N-acetyl)-2-epimerase/N-acetylmannosamine kinase
GOSR2	golgi SNAP receptor complex member 2
GSN	gelsolin
GYG1	glycogenin 1
GYS1	glycogen synthase 1 (muscle)
HEXB	hexosaminidase B (beta polypeptide)
HK1	hexokinase 1
hnRNPA1	Heterogeneous nuclear ribonucleoprotein A1
hnRNPA2B1	Heterogeneous nuclear ribonucleoprotein A2/B1
HNRPD	Heterogeneous nuclear ribonucleoprotein D-like
HSPB1	heat shock 22kDa protein 1
HspB2	Heat shock 27kDa protein 2

HSPB3	heat shock 22kDa protein 3
HSPB6	heat shock 22kDa protein 6
HSPB8	heat shock 22kDa protein 8
HSPG2	Heparan sulfate proteoglycan 2
ICSU	iron-sulfur cluster assembly enzyme
ISPD	isoprenoid synthase domain containing
ITGA7	integrin, alpha 7
ITPR1	inositol 1,4,5-trisphosphate receptor, type 1
KBTBD10 (KLHL41)	kelch-like family member 41
KBTBD13	kelch repeat and BTB (POZ) domain containing 13
KBTBD5 (KLHL40)	kelch-like family member 40
KCNE1	potassium voltage-gated channel, Isk-related family, member 1
KCNE3	potassium voltage-gated channel, Isk-related family, member 3
KCNJ2	potassium inwardly-rectifying channel, subfamily J, member 2
KCNQ1	potassium voltage-gated channel, KQT-like subfamily, member 1
KLHL9	kelch-like family member 9
KY	kyphoscoliosis peptidase
LAMA2	laminin, alpha 2
LAMB1	laminin, beta 1
LAMP1	lysosomal-associated membrane protein 1
LAMP2	lysosomal-associated membrane protein 2
LARGE	like-glycosyltransferase
LDB3	LIM domain binding 3
LDHA	lactate dehydrogenase A
LDHB	lactate dehydrogenase B
LIFR	leukemia inhibitory factor receptor alpha
LIMS2 (PINCH2)	LIM and senescent cell antigen-like domains 2
LMNA	lamin A/C
LMOD3	Nemaline myopathy 10
LPIN1	Lipin 1
MARS	methionyl-tRNA synthetase
MATR3	matrin 3
MBNL1	muscleblind-like splicing regulator 1
MBNL2	muscleblind-like splicing regulator 2
MBNL3	muscleblind-like splicing regulator 3
MEGF10	multiple EGF-like-domains 10
MSTN (GDF8)	myostatin
MTM1	myotubularin 1
MTMR14	myotubularin related protein 14
MYBPC1	myosin binding protein C, slow type
MYBPC2	myosin binding protein C, fast type
MYBPC3	myosin binding protein C, cardiac
MYH1	myosin, heavy chain 1, skeletal muscle, adult
MYH2	myosin, heavy chain 2, skeletal muscle, adult
MYH3	myosin, heavy chain 3, skeletal muscle, embryonic
MYH4	myosin, heavy chain 4, skeletal muscle
MYH7	myosin, heavy chain 7, cardiac muscle, beta
MYH8	myosin, heavy chain 8, skeletal muscle, perinatal
MYL1	myosin, light chain 1, alkali; skeletal, fast
MYL10	myosin, light chain 10, regulatory
MYL12A	myosin, light chain 12A, regulatory, non-sarcomeric
MYL12B	myosin, light chain 12B, regulatory
MYL2	myosin, light chain 2, regulatory, cardiac, slow
MYL3	myosin, light chain 3, alkali; ventricular, skeletal, slow
MYL4	myosin, light chain 4, alkali; atrial, embryonic
MYL5	myosin, light chain 5, regulatory
MYL6	myosin, light chain 6, alkali, smooth muscle and non-muscle
MYL6B	myosin, light chain 6B, alkali, smooth muscle and non-muscle
MYL7	myosin, light chain 7, regulatory
MYL9	myosin, light chain 9, regulatory
MYLIP	myosin regulatory light chain interacting protein
MYLK	myosin light chain kinase
MYLK2	myosin light chain kinase 2
MYLK3	myosin light chain kinase 3
MYLK4	myosin light chain kinase family, member 4
MYLPF	myosin light chain, phosphorylatable, fast skeletal muscle
MYOM1	myomesin 1
MYOM2	myomesin 2
MYOM3	myomesin 3
MYOT	myotilin
MYOZ1	myozenin 1
MYOZ2	myozenin 2
MYOZ3	myozenin 3
MYPN	myopalladin
NBR1	neighbor of BRCA1 gene 1
NEB	nebulin
NEBL	nebullette
NEFL	neurofilament, light polypeptide
NTRK1	neurotrophic tyrosine kinase, receptor, type 1
OBSCN	obscurin, cytoskeletal calmodulin and titin-interacting RhoGEF
OBSL1	obscurin-like 1
ORAI1	calcium release-activated calcium modulator 1
PABPN1	poly(A) binding protein, nuclear 1
PDK3	pyruvate dehydrogenase kinase, isozyme 3
PDLIM3	PDZ and LIM domain 3
PDLIM5	PDZ and LIM domain 5
PDLIM7	PDZ and LIM domain 7 (enigma)
PFKM	phosphofructokinase, muscle
PGAM2	phosphoglycerate mutase 2 (muscle)
PGK1	phosphoglycerate kinase 1
PGM1	phosphoglucomutase 1

PLEC1	plectin
PLEKHG4	pleckstrin homology domain containing, family G (with RhoGef domain) member 4
PLEKHG5	pleckstrin homology domain containing, family G (with RhoGef domain) member 5
PLN	phospholamban
PNPLA2	patatin-like phospholipase domain containing 2
POLG	polymerase (DNA directed), gamma
POMGNT1	protein O-linked mannose N-acetylglucosaminyltransferase 1 (beta 1,2-)
POMGNT2	Protein O-linked mannose N-acetylglucosaminyltransferase 2
POMT1	protein-O-mannosyltransferase 1
POMT2	protein-O-mannosyltransferase 2
PRKAG2	protein kinase, AMP-activated, gamma 2 non-catalytic subunit
PTPLA	protein tyrosine phosphatase-like (proline instead of catalytic arginine), member A
PTRF	polymerase I and transcript release factor
PUS1	Pseudouridylate synthase 1
PYGM	phosphorylase, glycogen, muscle
QDPR	quinoid dihydropteridine reductase
RBCK1	RanBP-type and C3HC4-type zinc finger containing 1
RYR1	ryanodine receptor 1 (skeletal)
SBF1	SET binding factor 1
SCN4A	sodium channel, voltage-gated, type IV, alpha subunit
SEPN1	selenoprotein N, 1
SGCA	sarcoglycan, alpha (50kDa dystrophin-associated glycoprotein)
SGCB	sarcoglycan, beta (43kDa dystrophin-associated glycoprotein)
SGCD	sarcoglycan, delta (35kDa dystrophin-associated glycoprotein)
SGCG	sarcoglycan, gamma (35kDa dystrophin-associated glycoprotein)
SGCE	sarcoglycan, epsilon
SGK196 (POMK)	protein-O-mannose kinase
SIL1	SIL1 nucleotide exchange factor
SLC22A5	solute carrier family 22 (organic cation/carnitine transporter), member 5
SLC25A20	solute carrier family 25 (carnitine/acylcarnitine translocase), member 20
SLC5A2	solute carrier family 5 (sodium/glucose cotransporter), member 2
SMCHD1	structural maintenance of chromosomes flexible hinge domain containing 1
SOD1	Superoxide dismutase 1
SOX10	SR Y (sex determining region Y)-box 10
SPEG	SPEG complex locus
SPTB	spectrin, beta, erythrocytic
SQSTM1	sequestosome 1
SRF	serum response factor (c-fos serum response element-binding transcription factor)
STAC3	SH3 and cysteine rich domain 3
STIM1	stromal interaction molecule 1
STIM2	stromal interaction molecule 2
SYNE1	spectrin repeat containing, nuclear envelope 1
SYNE2	spectrin repeat containing, nuclear envelope 2
SYNE3	spectrin repeat containing, nuclear envelope family member 3
SYNPO2	synaptopodin 2
TCAP	titin-cap
TFG	TRK-fused gene
TIA1	TIA1 cytotoxic granule-associated RNA binding protein
TIAL1	TIA1 cytotoxic granule-associated RNA binding protein-like 1
TK2	Thymidine kinase 2
TMEM43	transmembrane protein 43
TMEM5	transmembrane protein 5
TMEM55A	transmembrane protein 55A
TMEM55B	transmembrane protein 55B
TMOD3	tropomodulin 3 (ubiquitous)
TNNC1	troponin C type 1 (slow)
TNNC2	troponin C type 2 (fast)
TNNI1	troponin I type 1 (skeletal, slow)
TNNI2	troponin I type 2 (skeletal, fast)
TNNI3	troponin I type 3 (cardiac)
TNNT1	troponin T type 1 (skeletal, slow)
TNNT3	troponin T type 3 (skeletal, fast)
TNPO3	transportin 3
TNXB	tenascin XB
TOR1AIP1	torsin A interacting protein 1
TPM1	tropomyosin 1 (alpha)
TPM2	tropomyosin 2 (beta)
TPM3	tropomyosin 3
TPP1	tripeptidyl peptidase 1
TRAPPC1	trafficking protein particle complex 1
TRAPPC11	trafficking protein particle complex 11
TRIM32	tripartite motif containing 32
TRIM54	tripartite motif containing 54
TRIM55	tripartite motif containing 55
TRIM63	tripartite motif containing 63, E3 ubiquitin protein ligase
TTN	titin
TTR	transthyretin
UBA1	ubiquitin-like modifier activating enzyme 1
VCP	valosin containing protein
VMA21	VMA21 vacuolar H ⁺ -ATPase homolog (S. cerevisiae)
VRK1	vaccinia related kinase 1 XIRP
XIRP1	Xin actin-binding repeat containing 1
XIRP2	Xin actin-binding repeat containing 2
YARS2	Tyrosyl-tRNA synthetase 2, mitochondria