

Symbol	GenBank	Description	Illumina Fold Increase			SAGE Counts	
			36 h	48 h	72 h	con	72h
MYOD1	NM_002478.3	myogenic factor 3	4.2	4.6	3.6	35	143
MYOG	NM_002479.2	myogenin (myogenic factor 4)	34	35.2	28.9	0	24
DES	NM_001927.2	desmin (DES)	7	8.4	10.7	0	51
MEF2C	NM_002397.2	MADS box transcription enhancer factor 2, C	9.1	10.4	9.4	0	6
SMPX	NM_014332.1	small muscle protein	23	28.9	19.3	0	12
RYR1	NM_000540.1	ryanodine receptor 1 (skeletal)	2.3	3.2	2.7	3	2
ACTC	NM_005159.2	actin, alpha, cardiac muscle	47.4	55.6	52.8	0	18
MYH3	NM_002470.1	myosin, heavy polypeptide 3, skeletal muscle	71.8	96.1	118	0	2
TAGLN	NM_003186.2	transgelin	5.8	5	2.4	0	0
HAK	NM_052947.1	heart alpha-kinase	8.9	11.1	11	0	0
CDH15	NM_004933.2	cadherin 15, M-cadherin (myotubule).	14	14.9	11.7	0	37
ENO3	NM_053013.1	enolase 3, (beta, muscle)	3	4.2	4.9	3	26
MYL4	NM_002476.2	myosin, light polypeptide 4	14.3	17.5	10.4	3	59
MYL1	NM_079422.1	myosin, light polypeptide 1, skeletal, fast	19	37.6	33	0	26
MLC1SA	NM_002475.2	myosin light chain 1 slow	3.6	4	3.2	6	55
KIFC3	NM_005550.2	kinesin family member C3	3.6	4.6	3.4	0	2
MYO18B	NM_032608.4	myosin XVIIIIB	4.3	6.5	7.5	3	2
HUMMLC2B	NM_013292.2	myosin light chain 2	33.6	46.4	38.9	0	232
MRAS	NM_012219.2	muscle RAS oncogene homolog	2.9	2.4	1.7	0	0
TPM1	NM_000366.4	tropomyosin 1 (alpha)	7.6	10.6	10.2	3	4
TNNT1	NM_003283.3	troponin T1, skeletal, slow	6.3	8.4	8.2	9	86
TNNC2	NM_003279.2	troponin C2, fast	31.4	46.4	63	0	96
ID2	NM_002166.4	inhibitor of DNA binding 2, dominant negative bHLH	3.3	3.1	2.1	0	4
CHRN1	NM_000747.2	cholinergic receptor, nicotinic, (muscle)	2.3	1.9	1.7	0	2
MYH2	NM_017534.2	myosin, heavy polypeptide 2, skeletal muscle	4.2	6.7	3.9	0	289
KBTBD10	NM_006063.2	kelch repeat and BTB domain containing 10	18.3	19.2	23.6	0	117
CMYA1	NM_194293.2	cardiomyopathy associated 1	2.4	2.4	1.9	0	2
CMYA4	NM_173167.1	cardiomyopathy associated 4	6.1	11.5	9.8	0	2
TEAD4	NM_003213.1	TEA domain family member 4	2.5	2.4	2.3	0	6
APOBEC2	NM_006789.2	apolipoprotein B mRNA editing enzyme	11.9	14.1	11.3	0	14
ACTA2	NM_001613.1	actin, alpha 2, smooth muscle	18.8	14.2	4.2	0	2
MYL5	NM_002477.1	myosin, light polypeptide 5, regulatory	9.1	10.8	10.5	0	16
MYOM1	NM_003803.1	myomesin 1 (skelemin) 185kDa	2.2	2.5	4.1	0	4
TNNC1	NM_003280.1	troponin C, slow	8.1	8	8.2	3	28
TNNI2	NM_003282.1	troponin I, skeletal, fast	3.4	3.5	3.9	0	2
TNNT2	NM_000364.1	troponin T2, cardiac	11.6	9.9	5.8	0	4
TTN	NM_133379.1	titin, transcript variant novex-3	7.3	6.2	3.4	3	24
TTID	NM_006790.1	titin immunoglobulin domain protein	9.2	10.1	12.3	0	6
KBTBD5	NM_152393.2	kelch repeat and BTB domain containing 5	11.2	11.4	9.6	0	2
MYBPH	NM_004997.1	myosin binding protein H	55.1	50.6	36.1	0	4
MB	NM_005368.1	myoglobin (MB), transcript variant 1	8	24.7	36.4	0	10
TNNT3	NM_006757.1	troponin T3, skeletal, fast	35.8	56.7	88	0	26
CDKN1A	NM_000389.2	cyclin-dependent kinase inhibitor 1A (p21, Cip1)	30.4	28.3	19.9	0	24
CDKN1C	NM_000076.1	cyclin-dependent kinase inhibitor 1C (p57, Kip2)	11.3	12.5	8.6	0	0
GADD45G	NM_006705.2	growth arrest and DNA-damage-inducible, gamma	2.8	3	2.3	0	2
CASP9	NM_032996.1	caspase 9, apoptosis-related cysteine protease	4.3	3.6	2.7	0	6
TUBB3	NM_006086.1	tubulin, beta, 3	4.6	7.3	6.5	0	4
NEF3	NM_005382.1	neurofilament 3 (150kDa medium)	3.2	4.4	3.6	0	2
NCAM1	NM_181351.1	neural cell adhesion molecule 1	2.6	2.1	2.1	0	6
NAV1	NM_020443.2	neuron navigator 1	2.3	1.9	1.9	3	6
MAP1A	NM_002373.4	microtubule-associated protein 1A	4.3	4.8	3.2	0	2
DCX	NM_178153.1	doublecortex, X-linked (doublecortin), v. 3	4.6	5.3	5.6	0	0
DCAMK1	NM_004734.2	doublecortin and CaM kinase-like 1	5.4	5.2	3.5	0	12
LRRN1	NM_020873.3	leucine rich repeat neuronal 1	13.7	17	14.2	0	14
CDK5R1	NM_003885.2	cyclin-dependent kinase 5, reg. subunit 1 (p35)	3.1	2.9	2.1	3	2
PRPH	NM_006262.2	peripherin (PRPH)	2.4	2.3	2.5	0	0
GAPDH	NM_002046	glyceraldehyde-3-phosphate dehydrogenase	0.96	0.94	0.9	456	359
ACTB	NM_001101	actin, beta	1.06	1.12	1.02	322	182