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Product datasheet for SC201193

myosin heavy chain 3 (MYH3) (NM_002470) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	myosin heavy chain 3 (MYH3) (NM_002470) Human 3' UTR Clone
Symbol:	myosin heavy chain 3
Synonyms:	CPSFS1A; CPSFS1B; CPSKF1A; CPSKF1B; DA2A; DA2B; DA2B3; DA8; HEMHC; MYHC-EMB; MYHSE1; SMHCE
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002470
Insert Size:	151 bp
Insert Sequence:	>SC201193 3'UTR clone of NM_002470 The sequence shown below is from the reference sequence of NM_002470. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC AGGATGGTGGTCCACGAGAGTGAAGAGTGAGCCAGCCCTTCTGGAGCAGGACAGAAGATATGCAAAATG TATATTTTCTTGATTCCTGACCATTGATACTTAATGTCCATGTGACTCTTTTTCACATGCAATAAACTT TGCTTTGTTTCAA ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	NM_002470.4

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Summary: Myosin is a major contractile protein which converts chemical energy into mechanical energy through the hydrolysis of ATP. Myosin is a hexameric protein composed of a pair of myosin heavy chains (MYH) and two pairs of nonidentical light chains. This gene is a member of the MYH family and encodes a protein with an IQ domain and a myosin head-like domain. Mutations in this gene have been associated with two congenital contracture (arthrogryposis) syndromes, Freeman-Sheldon syndrome and Sheldon-Hall syndrome. [provided by RefSeq, Jul 2008]

Locus ID: 4621

MW: 5.8