

Product datasheet for **SC203630**

Myosin Light Chain 2 (MYL2) (NM_000432) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	Myosin Light Chain 2 (MYL2) (NM_000432) Human 3' UTR Clone
Symbol:	Myosin Light Chain 2
Synonyms:	CMH10; MLC-2s/v; MLC2
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_000432
Insert Size:	262 bp
Insert Sequence:	<p>>SC203630 3'UTR clone of NM_000432 The sequence shown below is from the reference sequence of NM_000432. The complete sequence of this clone may contain minor differences, such as SNPs. Blue=Stop Codon Red=Cloning site</p> <pre>GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC ATCATCACCCACGGAGAAGAGAAGGACTAGGAGGGGGCTCGCTGCTGCGCCCTGGGCTCGTCTTTGCAG AGTGGTCCCTGCCCTCATCTCTCCCCGAGTACCGCCTCTGTCCTACCTTGCTGTTAGCCATGTG GCTGCCCCATTTATCCACCTCCATCTTCTTTGCAGCCTGGGTGGCTATGGTACTTCGTGGCCGCACAT CCTACAGTTGAAATCCATCCAGAGGCCATGTTCCAATAAACAGGAGGTCGTGTA ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTTTCGATTCCACCGCCGCTTCTATGAAAGG</pre>
Restriction Sites:	Sgfl-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:	<u>NM_000432.4</u>



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Summary: This gene encodes the regulatory light chain associated with cardiac myosin beta (or slow) heavy chain. Ca⁺ triggers the phosphorylation of regulatory light chain that in turn triggers contraction. Mutations in this gene are associated with mid-left ventricular chamber type hypertrophic cardiomyopathy. [provided by RefSeq, Jul 2008]

Locus ID: 4633

MW: 9