

Product datasheet for **SC204419**

MRCL3 (MYL12A) (NM_006471) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	MRCL3 (MYL12A) (NM_006471) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	MYL12A
Synonyms:	HEL-S-24; MLC-2B; MLCB; MRCL3; MRLC3; MYL2B
ACCN:	NM_006471
Insert Size:	348 bp
Insert Sequence:	>SC204419 3'UTR clone of NM_006471

The sequence shown below is from the reference sequence of NM_006471. The complete sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAACATGGAGCCAAAGACAAAGATGACTGAATAACTTCAAATTCAGCCAAACGTTCTTGTGCCAC
TTTGGTATTCTGAGATTTCTCTTGCATGCCCTTAGCTTTACAGCTTTTGCATTTCCTGTGTATTTA
TTCTCAGCCATTTTGGGCATATGTATCTTTATAATCAGACTGGAAACGGGACTTTCTATTAATATCATT
TTCAGAATAAAAAATAGGATAATTTAACCTACCAGCCCTTCTCCCAATAAAGTGGTCTATACAGAG
TCAATATATTTTTTTCAGAGAAAGTTATTCGCTCGATTTTTTCTGAATCATAAATAAAGTTATGATAAA
ATA
ACGCGTAAGCGGCCGCGGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
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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_006471.4</u>



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Summary: This gene encodes a nonsarcomeric myosin regulatory light chain. This protein is activated by phosphorylation and regulates smooth muscle and non-muscle cell contraction. This protein may also be involved in DNA damage repair by sequestering the transcriptional regulator apoptosis-antagonizing transcription factor (AATF)/Che-1 which functions as a repressor of p53-driven apoptosis. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 8.[provided by RefSeq, Dec 2014]

Locus ID: 10627

MW: 13.5