

Product datasheet for **SC204887**

MYL12B (NM_001144945) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones
Product Name: MYL12B (NM_001144945) Human 3' UTR Clone
Vector: pMirTarget (PS100062)
Symbol: MYL12B
Synonyms: MLC-B; MRLC2
ACCN: NM_001144945
Insert Size: 393 bp
Insert Sequence: >SC204887 3'UTR clone of NM_001144945

The sequence shown below is from the reference sequence of NM_001144945. 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
AAACATGGAGCCAAAGACAAAGATGACTGAAGAAGCTTTAGCTAAAATCTTCCAGTTACATTGTCTTAC
TCTCTTTTACTTCTCAGACACTTCCCCACCCTCATAGAACCTGTTGCATGCAACTTAGTTTCACAGCT
TTGCCTCTTCTTTTGTATTTATTCCAGACCTTTCTGCCACTTAGCACTTGTATAATCAGACTGGA
AATGGGGATGAGGGTGTAAATTGTATTGAAAAAGATCGCGAATAAAAATCAACAAATGTAAAGCCAG
AAAAATATATTCGTATTTCTGGTTTTGCTGGATTTTACATTTTATATAATAAAAATGTTATTTTGA
ATAAAGATTATGCTGACTCAAATGCAATGTAAAAAAAAAAAAAAAAAAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
```

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_001144945.1](#)



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Summary: The activity of nonmuscle myosin II (see MYH9; MIM 160775) is regulated by phosphorylation of a regulatory light chain, such as MRLC2. This phosphorylation results in higher MgATPase activity and the assembly of myosin II filaments (Iwasaki et al., 2001 [PubMed 11942626]). [supplied by OMIM, Mar 2008]

Locus ID: 103910

MW: 15.3