

## Product datasheet for **SC204889**

### MYL12B (NM\_033546) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MYL12B (NM\_033546) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MYL12B  
**Synonyms:** MLC-B; MRLC2  
**ACCN:** NM\_033546  
**Insert Size:** 554 bp  
**Insert Sequence:** >SC204889 3'UTR clone of NM\_033546  
 The sequence shown below is from the reference sequence of NM\_033546. The complete sequence of this clone may contain minor differences, such as SNPs.  
 Blue=Stop Codon Red=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAACATGGAGCCAAAGACAAAGATGACTGAAGAAGCTTTAGCTAAAACTTCCAGTTACATTGTCTTAC
TCTCTTTTACTTCTCAGACACTTCCCCACCCTCATAGAACCTGTTGCATGCAACTTAGTTTCACAGCT
TTGCCTCTTCTTTTGTATTTATTCCAGACCTTTCTGCCACTTAGCACTTGTATAATCAGACTGGA
AATGGGGATGAGGGTGTAAATTGTATTGAAAAAGATCGCGAATAAAAAATCAACAAATGTAAAGCCAG
AAAAATATATTCGTATTTCTGGTTTTGCTGGATTTTACATTTTATATAATAAAAAATGTTATTTTGAA
ATAAAGATTATGCTGACTCAAATGCAATGTAATGGCAAGTTAAACAAATGATTGATAGGTGGGGTAGT
CCTTTTTTCAGGTTTTCAACTTCATATGATTACAGGTTTTATGGTAAAATTGATTTTTACATATATGGG
ACAGTGTCTTCAGAACCTTTAAGTACCCTTTAACATTATTATGCAGTAAAACTAGTTATGCCATTGT
TT
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**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.



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RefSeq: [NM\\_033546.4](#)

**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: 21.2