

## Product datasheet for **RN207683**

### **Myl12b (NM\_017343) Rat Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Myl12b (NM\_017343) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Myl12b  
**Synonyms:** Mrlc2; Mrlcb; Mylc2b  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN207683 representing NM\_017343  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGAGCAAAAAGCAAAGACCAAGACCACCAAAAAGCGCCCTCAGCGCGCAACGTCCAACGTGTTCC  
 CCATGTTTGACCAGTCCCAGATCCAGGAGTTCAAAGAGGCCTTCAACATGATCGACCAGAACCGGGACGG  
 CTTTCATTGACAAGGAGGACCTGCACGACATGCTCGCGTCTCTGGGAAGAACCCACCGACGCCTACCTG  
 GACGCCATGATGAACGAGGCCCGGGCCCATCAATTTACCATGTTCTCACCATGTTTGGAGAGAAGC  
 TGAACGGCACCGACCCAGAGGACGTCATCAGAAACGCCTTCGCTTGCATGAGGAAGCCACAGGCAC  
 CATCCAGGAGGATTACCTGAGGGAGCTGCTGACCACCATGGGTGACCGCTTCACAGATGAGGAAGTGGAT  
 GAGCTGTACAGGGAGGCCCCATCGACAAAAGGGCAATTTCAACTACATCGAGTTCACGCGCATCTCA  
 AGCACGGAGCGAAAGACAAAGATGACT**GA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_017343  
**Insert Size:** 519 bp  
**OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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<b>Components:</b>	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_017343.2</a></u> , <u><a href="#">NP_059039.2</a></u>
<b>RefSeq Size:</b>	1212 bp
<b>RefSeq ORF:</b>	519 bp
<b>Locus ID:</b>	50685
<b>UniProt ID:</b>	<u><a href="#">P18666</a></u>
<b>Cytogenetics:</b>	9q38
<b>Gene Summary:</b>	nonsarcomeric myosin isoform, expressed in brain, spleen, lung, and smooth muscle [RGD, Feb 2006]