

## Product datasheet for **MC212039**

### **Myl9 (NM\_172118) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Myl9 (NM\_172118) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Myl9  
**Synonyms:** AI327049; MLC20; Mylc2c; RLC-C  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC212039 representing NM\_172118  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCGAGCAAGAGAGCCAAGGCCAAGACCACCAAGAAGAGGCCCCAGAGGGCTACGTCCAATGTCTTCG  
 CCATGTTTGACCAAGTCCCAGATCCAGGAGTTTAAGGAGGCCTTCAACATGATTGATCAGAACCGAGATGG  
 CTTTCATTGATAAGGAGGACCTGCACGACATGCTGGCCTCTCTGGGAAGAACCCACAGACGAGTATCTG  
 GAGGGCATGATGAACGAGGCGCCAGGGCCATCAACTTACCATGTTCTCACAATGTTTGGGGAGAAGC  
 TGAACGGCACAGACCCCGAGGATGTGATCCGCAATGCCTTTGCCTGCTTTGATGAGGAGGCTCAGGCTT  
 CATCCACGAGGACCACCTGAGGGAGCTGCTCACCACCATGGGCGACCGATTACGGATGAGGAGGTGGAC  
 GAGATGTACCGCGAGGCACCCATTGATAAGAAGGGCAACTTCAACTACGTGGAGTTCACCTCGCATCTCA  
 AACACGGCGCCAAGGACAAGGACGACT**AA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_172118  
**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_172118.1</a></u> , <u><a href="#">NP_742116.1</a></u>
<b>RefSeq Size:</b>	1083 bp
<b>RefSeq ORF:</b>	519 bp
<b>Locus ID:</b>	98932
<b>UniProt ID:</b>	<u><a href="#">Q9CQ19</a></u>
<b>Cytogenetics:</b>	2 H1
<b>Gene Summary:</b>	Myosin regulatory subunit that plays an important role in regulation of both smooth muscle and nonmuscle cell contractile activity via its phosphorylation. Implicated in cytokinesis, receptor capping, and cell locomotion.[UniProtKB/Swiss-Prot Function]