

## Product datasheet for **MC207061**

### **Myl1 (BC059087) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Myl1 (BC059087) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Myl1  
**Synonyms:** MLC1f, MLC3f  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >BC059087  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCCTTCAGTGCTGACCAGATTGCCGACTTCAAGGAGGCATTTCTCCTGTTTGACAGAACAGGTGAAT  
GCAAGATCACCTAAGTCAGGTGGGAGACGTCTCCGGGCTCTGGGCACCAATCCCACCAATGCAGAGGT  
CAAGAAGTTCTTGGAAACCCAGCAATGAAGAGATGAATGCTAAGAAAATCGAGTTTGAACAGTTTCTG  
CCATGATGCAAGCTATCTCCAACAACAAGGACCAGGGAGTTATGAAGATTTCTGTTGAGGGTCTGCGTG  
TCTTCGACAAGGAGGGCAATGGCACCGTCATGGGTGCTGAACTCCGCCATGTCCTCGCCACTCTGGGAGA  
GAAGATGAAGGAGGAAGAGGTAGAAGCGTTGCTGGCAGGCCAGGAGGACTCCAATGGCTGCATCAACTAT  
GAAGGTACAGCCAGCCTCACCTCATTAAGGAGAGATTCATTTTCAACTTTATTTTCTCTTCTATTGA  
CATATATGACTTATTATAAATAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** BC059087  
**Insert Size:** 513 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="#">BC059087</a></u> , <u><a href="#">AAH59087</a></u>
<b>RefSeq Size:</b>	649 bp
<b>RefSeq ORF:</b>	512 bp
<b>Locus ID:</b>	17901
<b>Cytogenetics:</b>	1 33.71 cM
<b>Gene Summary:</b>	Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two non-phosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain expressed in fast skeletal muscle. Multiple transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]