

## Product datasheet for MR201079

### Myl6 (NM\_010860) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Myl6 (NM\_010860) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Myl6  
**Synonyms:** ESMLC; LC17; LC17-GI; MLC-3; MLC1SM; Myln  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >MR201079 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTGTGACTTCACCGAGGACCAGACCGCAGAATCAAGGAGGCTTTCCAGCTGTTTGACCGAACAGGTG  
 ATGGCAAGATCCTGTACAGCCAGTGTGGGGATGTGATGCGGGCCCTGGCCAGAACCCTACCAACGCCGA  
 GGTGCTCAAGGTCCTGGGAACCCCAAGAGTGATGAGATGAATGTGAAGGTGCTGGACTTTGAGCACTTC  
 CTGCCATGCTGCAGACCGTGGCCAAGAACAAGGACCAGGGAACCTACGAGGATTATGTTGAAGGCCTTC  
 GTGTGTTTGACAAGGAAGAAATGGCACCGTCATGGGTGCTGAAATCCGTCATGCCTAGTCACACTGGG  
 CGAGAAGATGACAGAGGAAGAAGTAGAGATGCTAGTGGCGGGCATGAGGACAGCAATGGTTGCATCAAC  
 TATGAAGAGCTTGTCCGGATGGTCTGAATGCC

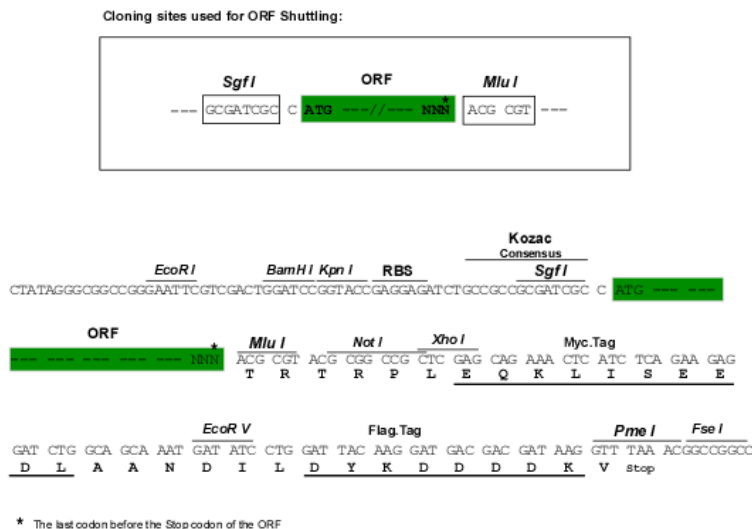
**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR201079 protein sequence  
 Red=Cloning site Green=Tags(s)  
 MCDFTEDQTAEFKEAFQLFDRTGDGKILYSQCGDVMRALGQNPTNAEVLKVLGNPKSDEMNVKVLDFEHF  
 LPMLQTVAKNKDQGTIEDYVEGLRVFDKEGNGTVMGAEIRHVLVTLGEKMTEEEVEMLVAGHEDSNGCIN  
 YEELVRMVLNG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



**Cloning Scheme:**


**ACCN:** NM\_010860

**ORF Size:** 456 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**Components:** 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).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

**RefSeq:** [NM\\_010860.3](#)

**RefSeq Size:** 656 bp

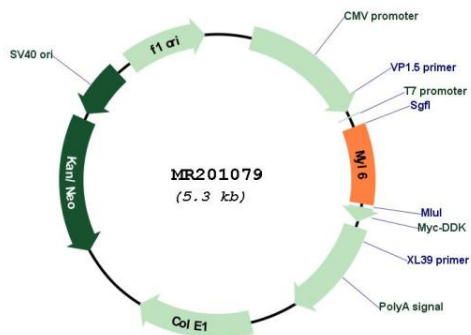
**RefSeq ORF:** 456 bp

**Locus ID:** 17904

**UniProt ID:** [Q60605](#)

Cytogenetics: 10 D3  
 MW: 17 kDa  
 Gene Summary: Regulatory light chain of myosin. Does not bind calcium.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR201079