

## Product datasheet for **MC201301**

### **Myl6 (NM\_010860) Mouse Untagged Clone**

#### **Product data:**

<b>Product Type:</b>	Expression Plasmids
<b>Product Name:</b>	Myl6 (NM_010860) Mouse Untagged Clone
<b>Tag:</b>	Tag Free
<b>Symbol:</b>	Myl6
<b>Synonyms:</b>	ESMLC; LC17; LC17-GI; MLC-3; MLC1SM; Myln
<b>Mammalian Cell Selection:</b>	Neomycin
<b>Vector:</b>	PCMV6-Kan/Neo (PCMV6KN)
<b>E. coli Selection:</b>	Kanamycin (25 ug/mL)
<b>Fully Sequenced ORF:</b>	>BC026760 sequence for NM_010860 GCTCAGCAGCCAAGATGTGTGACTTCACCGAGGACCAGACCCGAGAATTC AAGGAGGCTTCCAGCTGTT TGACCGAACAGGTGATGGCAAGATCCTGTACAGCCAGTGTGGGGATGTGATGCGGGCCCTGGCCAGAAC CCTACCAACGCCGAGGTGCTCAAGGTCCTGGGGAACCCCAAGAGTGATGAGATGAATGTGAAGGTGCTGG ACTTTGAGCACTTCTGCCATGCTGCAGACCGTGGCCAGAACAAGGACCAGGGAACTACGAGGATTA TGTTGAAGGCCTTCGTGTGTTTACAAGGAAGGAAATGGCACCGTTCATGGGTGCTGAAATCCGTCATGTC CTAGTCACACTGGGCGAGAAGATGACAGAGGAAGAAGTAGAGATGCTAGTGGCGGGCATGAGGACAGCA ATGTTGTCATCAACTATGAAGAGCTTGTCCGGATGGTGTGAATGGCTGAGGACATTCTGTATCCCGAGT CTGTTCCCTTGCCAGTGTGATTTCTGTGTGGCTCCAGAGGCTCCCCTGTCACAGCACCTTGCCATTTGG TTTCTTTTGGATGATGTTTGCCTTCCCAATAAAATTTGCTCTCTTTGCCCTCCAAAAAAAAAAAAAAAAA AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
<b>Restriction Sites:</b>	RsrII-NotI
<b>ACCN:</b>	NM_010860
<b>Insert Size:</b>	456 bp
<b>OTI Disclaimer:</b>	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).
<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).



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**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:** [BC026760](#), [AAH26760](#)

**RefSeq Size:** 657 bp

**RefSeq ORF:** 456 bp

**Locus ID:** 17904

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

**Cytogenetics:** 10 D3

**Gene Summary:** Regulatory light chain of myosin. Does not bind calcium.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (3) lacks an alternate exon in the 3' coding region, resulting in a frameshift and a novel 3' UTR, compared to variant 1. The encoded isoform (MLC3sm, also known as LC17B and LC17-sm) has a distinct C-terminus and is shorter than isoform a. Isoform MLC3sm and MLC3nm are the same length but differ in their C-termini. Isoforms b and c are the same length but differ in their C-termini.