

Product datasheet for MC209004

Myl1 (NM_021285) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myl1 (NM_021285) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myl1
Synonyms:	AI325107; D12Mgi4; MLC1; MLC1f; MLC3; MLC3f; Myl; Mylf
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC209004 representing NM_021285 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCACCAAAGAAAGACGTGAAGAAGCCCGCTGCTGCGCCTGCCCCAGCCCCGGCCCCGGCCCCCTGCC
 CAGCCAAACCTAAGGAAGAAAAATCGATCTGTCTGTATTAAGATCGAGTTCTCTAAGGAGCAACAGGA
 GGACTTCAAGGAGGCATTTCTCTGTTTGACAGAACAGGTGAATGCAAGATCACCTTAAGTCAGGTGGGA
 GACGTCTCCGGGCTCTGGGCACCAATCCACCAATGCAGAGGTCAAGAAGTTCTTGGAACCCAGCA
 ATGAAGAGATGAATGCTAAGAAAATCGAGTTTGAACAGTTTCTGCCCATGATGCAAGCTATCTCCAACAA
 CAAGGACCAGGGAGGTTATGAAGATTTCTGTTGAGGGTCTGCGTGTCTTCGACAAGGAGGGAATGGCACC
 GTCATGGGTGCTGAACCTCCGCCATGTCCTCGCCACTCTGGGAGAGAAGATGAAGGAGGAAGGTAGAAG
 CGTTGCTGGCAGGCCAGGAGGACTCCAATGGCTGCATCAACTATGAAGCTTTTGTCAAACACATCATGTC
 TGT**CTAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_021285
Insert Size:	567 bp


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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).
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:	<ol style="list-style-type: none"> 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:	<u>NM_021285.3, NP_067260.1</u>
RefSeq Size:	1003 bp
RefSeq ORF:	567 bp
Locus ID:	17901
UniProt ID:	<u>P05977</u>
Cytogenetics:	1 33.71 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1f) encodes a protein that is 38 aa longer than isoform 3f. Transcript variants 1f and 3f differ in their first two exons.</p>