

Product datasheet for **RN200346**

Myl1 (NM_020104) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myl1 (NM_020104) Rat Untagged Clone
Tag: Tag Free
Symbol: Myl1
Synonyms: Mcl3; MLC-f; Mlc1; Mlc3; MLC3-f; MLCf
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN200346 representing NM_020104
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCCTTCAGTGCTGACCAGATTGCCGAATCAAGGAGGCATTTCTCTCTTCGACAGAACCGGTGAAT
GCAAGATCACCTAAGTCAGGTGGCGACGTCTCCGGGCTCTGGGCACCAATCCCACAAATGCAGAAGT
CAAGAAGTTCTCGGGAACCTAGCAATGAAGAGATGAATGCTAAGAAAATCGAGTTTGAACAGTTTCTG
CCCATGATGCAAGCCATCTCCAACAACAAGGACCAGGGAGGCTATGAAGATTTCTGTTGAGGGTCTGCGTG
TCTTCGACAAGGAGGGCAATGGCACCGTCATGGGTGCTGAGCTCCGCCATGTCCTCGCCACTCTGGGAGA
GAAGATGAAGGAGGAGGAGGTAGAAGCATTGCTGGCGGGCCAGGAGGACTCCAATGGCTGCATCAACTAT
GAAGCTTTTGTGAAACACATCATGTCTGTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_020104
Insert Size: 453 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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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_020104.2</u> , <u>NP_064489.1</u>
RefSeq Size:	809 bp
RefSeq ORF:	453 bp
Locus ID:	56781
UniProt ID:	<u>P02600</u>
Cytogenetics:	9q32
Gene Summary:	Regulatory light chain of myosin. Does not bind calcium.[UniProtKB/Swiss-Prot Function]