

OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product datasheet for RC202076

MLC1SA (MYL6B) (NM_002475) Human Tagged ORF Clone

Product data:

| Product Type: | Expression Plasmids |
|------------------------------|--|
| Product Name: | MLC1SA (MYL6B) (NM_002475) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | MLC1SA |
| Synonyms: | MLC1SA |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| ORF Nucleotide Sequence: | <pre>>RC202076 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre> |
| | TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C |
| | ATGCCTCCCAAGAAGGATGTTCCCGTGAAGAAACCAGCAGGGCCCTCCATCTCCAAACCTGCTGCTAAGC CAGCAGCAGCAGGAGGGCTCCTCCAGCCAAGACCAAAGCTGAGCCAGCTGTCCCCCAGGCCCCTCAGAAAAC CCAGGAGCCTCCAGTCGATCTCTCCAAAGTGGTGATCGAGTTTAACAAGGACCAGCTGGAGGAGTTCAAG GAGGCCTTCGAGCTGTTTGACCGAGTGGGGGGATGGCAAGATCCTGTACAGCCAGTGTGGGGAACGTGATGA GGGCCCTGGGCCAGAACCCCACCAACGCCGAGGTGCTCAAGGTCCTGGGGAACCCCAAGAGTGATGAGCT GAAGTCGCGGCGTGTGGACTTTGAGACCTTTCCTGCCCATGCTCCAGGCAGTGGCCAAGAACCCGAGGCCAA GGCACATATGAGGACTACTTGGAGGGGTTTCCGTGTGTTTGACAAGGAGGGGAACGGCAAAGTCATGGGAG CAGAGCTCAGACATGTTCTCACCACCCTTGGAGAGAAGATGACTGAGGAGGGGAACGGCAAAGTCATGGGAG CAGAGCTCAGACATGTTCTCACCACCCTTGGAGAGAAGATGACTGAGGAGGAGGGGAACCGCTAAGCCTTCTGGC AGGACACGAGGACAGCAACGGCTGCATCAACTACGAGGCCTTCTTGAAACACATCCTAAGCGTT |
| | ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA |
| Protein Sequence: | <pre>>RC202076 protein sequence Red=Cloning site Green=Tags(s)</pre> |
| | MPPKKDVPVKKPAGPSISKPAAKPAAAGAPPAKTKAEPAVPQAPQKTQEPPVDLSKVVIEFNKDQLEEFK EAFELFDRVGDGKILYSQCGDVMRALGQNPTNAEVLKVLGNPKSDELKSRRVDFETFLPMLQAVAKNRGQ GTYEDYLEGFRVFDKEGNGKVMGAELRHVLTTLGEKMTEEEVETVLAGHEDSNGCINYEAFLKHILSV |
| | TRTRPLEQKLISEEDLAANDILDYKDDDDKV |



View online »

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



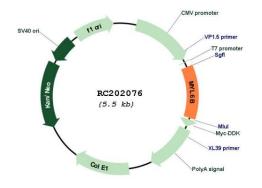
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

140465

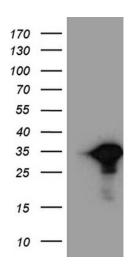
Locus ID:

| | MLC1SA (MYL6B) (NM_002475) Human Tagged ORF Clone – RC202076 |
|------------------|---|
| UniProt ID: | <u>P14649</u> |
| Cytogenetics: | 12q13.2 |
| Domains: | EFh |
| Protein Pathways | s: Vascular smooth muscle contraction |
| MW: | 22.8 kDa |
| Gene Summary: | Myosin is a hexameric ATPase cellular motor protein. It is composed of two heavy chains, two nonphosphorylatable alkali light chains, and two phosphorylatable regulatory light chains. This gene encodes a myosin alkali light chain expressed in both slow-twitch skeletal muscle and in nonmuscle tissue. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2010] |

Product images:

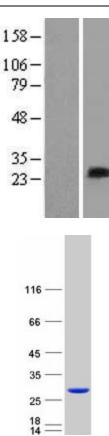


Circular map for RC202076



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY MYL6B (Cat# RC202076, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-MYL6B (Cat# [TA811146])(1:2000). Positive lysates [LY419310] (100ug) and [LC419310] (20ug) can be purchased separately from OriGene.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



Western blot validation of overexpression lysate (Cat# [LY419310]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC202076 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified MYL6B protein (Cat# [TP302076]). The protein was produced from HEK293T cells transfected with MYL6B cDNA clone (Cat# RC202076) using MegaTran 2.0 (Cat# [TT210002]).

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2023 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US