

Product datasheet for **SC113035**

Myosin (MYL6) (NM_021019) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myosin (MYL6) (NM_021019) Human Untagged Clone
Tag:	Tag Free
Symbol:	Myosin
Synonyms:	ESMLC; LC17; LC17-GI; LC17-NM; LC17A; LC17B; MLC-3; MLC1SM; MLC3NM; MLC3SM
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_021019, the custom clone sequence may differ by one or more nucleotides

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ATGTGTGACTTCACCGAAGACCAGACCGCAGAGTTCAAGGAGGCCCTCCAGCTGTTTGACCGAACAGGTG
ATGGCAAGATCCTGTACAGCCAGTGTGGGGATGTGATGAGGGCCCTGGCCAGAACCCTACCAACGCCGA
GGTGCTCAAGGTCTGGGAACCCCAAGAGTGATGAGATGAATGTGAAGGTGCTGGACTTTGAGCACTTT
CTGCCATGCTGCAGACAGTGGCCAAGAACAAGGACCAGGGCACCTATGAGGATTATGTCGAAGGACTTC
GGGTGTTTGACAAGGAAGGAAAATGGCACCGTCATGGGTGCTGAAATCCGGCATGTTCTTGTCACTGGG
TGAGAAGATGACAGAGGAAGAAGTAGAGATGCTGGTGGCAGGGCATGAGGACAGCAATGGTTGTATCAAC
TATGAAGCGTTTGTGAGGCATATCCTGTCGGGGTGA
```



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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: [NM_021019.2](#), [NP_066299.2](#)

RefSeq Size: 704 bp

RefSeq ORF: 456 bp

Locus ID: 4637

UniProt ID: [P60660](#)

Cytogenetics: 12q13.2

Domains: EFh

Protein Families: Druggable Genome

Protein Pathways: Vascular smooth muscle contraction

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 that is expressed in smooth muscle and non-muscle tissues. Genomic sequences representing several pseudogenes have been described and two transcript variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1), which is the major non-muscle transcript, represents the longer transcript and encodes isoform 1.