

Product datasheet for **SC321697**

Myosin (MYL4) (NM_001002841) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myosin (MYL4) (NM_001002841) Human Untagged Clone
Tag: Tag Free
Symbol: Myosin
Synonyms: ALC1; AMLC; GT1; PRO1957
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_001002841.1
CAGACGCCACGTCTCTCGGTTTCTTCTTAGATCACTCCTCTGCCAAAGATCCCAACAAGA
CAACATGGCTCCCAAGAAGCCTGAGCCTAAGAAGGAGGCAGCCAAGCCAGCTCCAGCTCC
AGCTCCAGCCCCTGCACCAGCCCCTGCCCCAGCTCCTGAGGCTCCCAAGGAACCTGCCTT
TGACCCCAAGAGTGTAAGATAGACTTCACTGCCGACCAGATTGAAGAGTTCAAAGAGGC
CTTTTCATTGTTTGACCCGACCCCGACTGGAGAGATGAAGATCACCTACGCCAGTGCGG
GGATGTACTGCGGGCCCTGGGCCAGAACCCTACCAATGCCGAGGTGCTGCGTGTGCTGGG
CAAGCCCAAGCCTGAAGAGATGAATGTCAAGATGCTGGACTTTGAGACGTTCTTGCCCAT
CCTGCAGCACATTTCCCGCAACAAGGAGCAGGGCACCTATGAGGACTTCGTGGAGGGCCT
GCGTGTCTTTGACAAGGAGAGCAATGGCACGGTCATGGGTGCTGAGCTTCGGCACGTCCT
TGCCACCCTGGGAGAGAAGATGACTGAGGCTGAAGTGGAGCAGCTGTTAGCTGGGCAAGA
GGATGCCAATGGCTGCATCAATTATGAAGCCTTTGTCAAGCACATCATGTCAAGGTGAAG
CAGAGTCTCCAGGTGCCTGGCCCTTGGCTTTAGCCATACCAGGGTGAGTTAAAGAGAGG
CCCCGGCTGGGTGAGCTGAGATGGAGTCCCTCGACTTATACCACACCACTGCCCAAGGA
CCTTACAGGCCCTCCCTGTTAATAAACAGCTCTAACACGGCCAGGCTGGGCTCTGGGATT
CTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_001002841

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).



[View online »](#)

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_001002841.1 , NP_001002841.1
RefSeq Size:	934 bp
RefSeq ORF:	594 bp
Locus ID:	4635
UniProt ID:	P12829
Cytogenetics:	17q21.32
Gene Summary:	<p>Myosin is a hexameric ATPase cellular motor protein. It is composed of two myosin heavy chains, two nonphosphorylatable myosin alkali light chains, and two phosphorylatable myosin regulatory light chains. This gene encodes a myosin alkali light chain that is found in embryonic muscle and adult atria. Two alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript.</p>