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Product datasheet for SC206146

MYOM1 (NM_003803) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	MYOM1
Synonyms:	SKELEMIN
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_003803
Insert Size:	485 bp

Insert Sequence:

>SC206146 3'UTR clone of NM_003803
The sequence shown below is from the reference sequence of NM_003803. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCCCTGAAAGGTGGCAAGAAGGCCAAGTGACCGGAGGTGCGAGGAGAGCCAGCCGGCCTGTGTGACTTG
GGTGTGAATGGTTTGGGTTAAGGATGAGACGTCTTCATGCTTTCTCCTCCCTATTATTTTCTGGCTTGA
GGGGAAAATAATGTCAGGTCTTTCACTCATATAAAAAAGCACCAACTAATGACACTTTAATTGTTTTTC
TTTATCTACAAAATTATGTGTTAAGAAAATACCATTCATAGCATGAAGATTAGGAAACAGTTTTAAGGA
GAAGACTTGAATGAAGTTGGAGGGACATTGAATGATGGTCAGAGGGCAGACGAATGTGTCGTGGGGCGA
ATTGGGATTTGCTGCAGCTGTGAAGCCATGGCCGTGTCTCGTGTGTTGTTACAGAGGTGATGTGCTTTT
CGACGGGCGCCTCGTGGCTTGGAACCTCCTCTGTATGAATAAACAGTTTTCACGTCTGTCCTCTTCCCC
GA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

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Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_003803.4

Summary: The giant protein titin, together with its associated proteins, interconnects the major structure of sarcomeres, the M bands and Z discs. The C-terminal end of the titin string extends into the M line, where it binds tightly to M-band constituents of apparent molecular masses of 190 kD (myomesin 1) and 165 kD (myomesin 2). This protein, myomesin 1, like myomesin 2, titin, and other myofibrillar proteins contains structural modules with strong homology to either fibronectin type III (motif I) or immunoglobulin C2 (motif II) domains. Myomesin 1 and myomesin 2 each have a unique N-terminal region followed by 12 modules of motif I or motif II, in the arrangement II-II-I-I-I-I-I-II-II-II-II-II. The two proteins share 50% sequence identity in this repeat-containing region. The head structure formed by these 2 proteins on one end of the titin string extends into the center of the M band. The integrating structure of the sarcomere arises from muscle-specific members of the superfamily of immunoglobulin-like proteins. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Locus ID: 8736

MW: 17.9

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