

Product datasheet for **MC224475**

Myom3 (NM_001085509) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myom3 (NM_001085509) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myom3
Synonyms:	8430427K15Rik; Gm434
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224475 representing NM_001085509 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGACTCTGCCCCACAGCCCTGGGAGTGCCGGGGAGCCCCAAGCCTCCCAGACCGTGCAGGTCCACAGGC
TGGAACACAGGCAGGAGGAGGAGCAGAAAGAGGAGCGGCAGCACAGCCTGCAGATGGGTTCTTCCGTGCA
GAGGCGGACCTACCGCAGCAGTGAGGAGGAACAACAGTTCAGCTCTGAAGACTATGCCCTGGCTGCTGCC
CTGGCCCTGACAGCCTCCTCAGAGTTGTCTGGGAAGCTAAGCTGAGACGCCAGACCACCAAGTGGAGC
TGGAGGAGCGTGGACAGAGGCGGGTAGGCTTTGGCAATGACCTGGAGCGGATGGAGCTGGCCTTCTACG
CACTCAGAGGCTGCTGCGTCAGAGGCGAGACTGGAAGGCGCTGCGGCAACGGACAGAGGAGAAGGTCCGA
GAGGCCAAGGAATGATCGAGTTGTGCTCTGGCCGCGGCCCTGGTTCTGGATCCCGCTTCGATCGCATG
CCGTCTGGGAGCACACCACGGTACTGCTGACCTGCACCGTCCAGGGCTCACCTCCATTCCAGGTCACCTG
GTACAAGAACGACATCCGGATCGATCCCCGCTCTTCCAGCCGGCAAGTACCGTATCACCAACAACACTAC
GGGCTGCTGACCCTGGAGATCATGAGGTGCACGGTGGAGGACTCGGCCACCTACACTGTGCTGGTGAAGA
ACGCCACGGCCAGGCCCTTCCCTTTGCCAAAGTCCCTCATCCGCAATTACCTGGGAAAGATGCTGGCTT
TGACTCGGAGATCTTTAAACGATCTATGTTCCGGCCCAGCGCGGAGTTTACATCGGTGTTGAAGCCAATC
TTTGCCCAAGAGAAAGAGCCTTTCTCCCTGACCTGTTTGTCTCAGACGATGTATTAGAAGCTGAGCAGA
GAATCCAGTGGTACAGAGATGGCAGGCTACTGAGGTCTTCAACACGCAGGCAGATACTCTACGCAGACCG
CCAGGCCCTCCGTGAAGGTGCTCTGTGCCTACAAAGAGGACGAGGGGTTCTACACAATCCGAGTCTCCTCG
CCCTTTGGGCCGAGGAGCAGAGCGCCTATGTCTTTATAAGAGATGCTGCAGCTGAGAAGCCAGGAGCCC
CAGGCTCGCCACTAAACGTCCGGTGTCTGAATGTGCATAGAGACTGCCTGACCCTGACCTGGGTCCC GCC
CAGCGACACCCGGGCAGCACCATCACTGGCTATTCCATTGAGATGTGCCAGGGTATTCCGAGGAGTGG
ATGCCCTGCCTTAAGGCCCCCGGGGAACCTGCCGGTGCCGATCCAAGGCTCGTTGAAGGACAGAGCT
ATCAGTTCGAGTGCAGCCATCAGCAAAGCCGGCACCAGTCTCCCTTCCAAGGCCCTCAGAAGCAGTTGT
CACGGGTGACTATGATGCAGTCCATAAGAGTACAGAGATTCCTATGACCTGGGCAGCAAGATCACCATC
AGCAAGAACGATTTCAAGATGCTGTGACCATTCCCTCAGCCCCAACCAATGTCCACGCCAGCGAGATCA



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GAGAAGCCTATGCGGTTCTGAGCTGGGAGGAGCCACGCCCCCGGGCAGAGCCCCGCTGACTTACTCT
 GGAAAAGTCCGTCATCGGTAGTGGAACTGGGAGGCCATCAGCACGGAACACCCATCAAGTCCCCAAGA
 TTCGCCCTCCTGGACTTAGAGAAGGGAAATCGTATGTCTTCAGAGTGAGAGCCTGAACCAGTACGGCA
 TGAGTGATCCCTCAGAGCCAGCGAGCCTGTGCCCTGAAGGGCAAGCCAGCGACTCTCCCTCCTCCAGC
 TCAAGTTCAAGCTTCCGAAACTCAGACCTCTGTCTCCCTGCCTGGGAGCCCGTGGATGGTGGCTCG
 GAGTCTCTGGGTATTACATCTACTCCCGGAGGCCGGAGCATCAGAGTGGCAGACTGTGAACAACAAC
 CCATCCAGGACACCAAGTTCACAGTCCCAGGGCTGAGGACTGGGAAGGAGTACGACTTTTGCATCAGGTC
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 ACTCCATCGGCCCATATGACTTCGCACTCCTAAACTGTGGGAAGAATGAAATGGTCATTGGATGGAAAC
 CCCCCAAGCGACGCGGAGGCGGCAAGATCCTGGGCTACTTCATGGACCAGCATGATTCAGTGGAGTCAGA
 CTGGCACCCAGTCAACCGTCAAGCCATCCCAAGCCGTGTGTGCAAGGTACCAACCTTCATGAAGGCCAT
 TTCTATGAGTTCGAGCCCGGGCCGTGAAGTGGCAGGTATTGGCAGCTGTGCGCACCCAGCAGCCTGT
 TTGAGTGCAAAGAGTGGACGATGCCGGAGCCAGGTCCCCATATGATGTGAGGGTGTCTGAGGTACAGGC
 CACGTCTGTGATGCTGCAGTGGGAGCCCCACTGTATTTGGAGCCGGCCAGTCACAGGCTACCATGTC
 AGCTTCCAGGAGAAAGGCTCTGAGGAGTGAAGCCGGTACCCCCAGATGCCACCTCTGACACCCACCTCA
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 ACAACCATCGGTGCCACTGACCCTGTGCTCCTGGAGGACAAGCCAGACGCCCAGGAGATTGAAGTTGGT
 GTGGACGACGAGGGCCAGATCTACTTGGCTTTTGAAGCCCCGAAGCCCTGACTTCCCTGAGTTTCAGT
 GGTCCAAGGATTACCAAGGCCACCAGACCCACAGAGGGTGGAGGTGGAAGATGAAATTAGCAAGTCCAA
 GGTCACTCTGAAAGAACCTGACCTTCAGGACTTGGGCACTACTCAGTGGTAGTCCCCGATGCCGACGAA
 GACACCTCTGCTAGCCACACGCTGACGGAGGAAGAGCTGAACAAGCTGAAGAAGCTGAGTACGAGATCA
 GAAACCCAGTCAAGCTGATCTCTGGCTGGAACGTGGAATCCTCGAGCAAGGTGAGGTGCGGCTGTG
 GCTGGAGGTGGAGAACTGTGCCCCGCCGAGCTGCACCTCATCTTCAACGAGAAGGAGATCTCAGC
 TCCCCGAACCGCAAGATCAACTTTGACCGAGAGAAGGGCTTAGTGGAAAGTTATCATCCAACAACCTTCCG
 AAGATGACAAGGGTCTACACCGCCAGCTCCAAGATGGAAAAGCCAAGAACCAGATCACTCTCGCCCT
 GGTGGATGACGAATTTGACAAGCTCCTGAGAAAGGCAGACGAAAGAGAAGAGACTGGAAGAGAAAACAG
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 TAACAAACACGAAGAAGGAGAGTGCCTTTCAGTGGTCTTCCAGAAGAAAGAGGCCCCACATGGGCAGTA
 CAACCCGCCGACCGAGATGGGAGTCTCCATTGAGGGTTTTTCCAAGAAAACCAGGGAGTCTACAGA
 GCCGTGGTTTTCTGACGAGAGAGGGGAAGATGACACTGTGCTGGACCTCACAGGTGAAGCCCTAGATGCCG
 TCCTCACTGAGCTGGGCAGGATTGGTGTCTCTCTGCAACCCACTGAAAATCCAGGGGACTGAAGAGGG
 CATCCGGCTCTCAGCAAGGTCAAATACTACAAGTGGACTACATGAAGACGGCGTGGTTCCACAAGAT
 AAGCGGCTGGAGAGTGGCGATCGGGTACGGGCAGGCACCCCTGGATGAGATTTGGCTCCACATCTCGG
 ACCCTAAGGACTCAGATAAAGGCAAATACACCTGGAGATCACTGCTGGGAAGGAAGTCCGGCAGCTCTC
 AGCAGACTGTCTGGACAAGCTTTTGTGACGCCCTGGCAGAGCACCAGAGACTGAAGGCCTTGGCTGTC
 ATTGAGAAGAATCGGGCTAAAGTGGTAAGGGGCCCTGCCAGACGTGGCCACCATCATGGAAGATAAGACCC
 TGTGCTGACCTGTGTCATCTCGGGAGACCCGTCCTTCAAATCTTTGGCTAAAGAACGACCAGCCTAT
 CTCCTTTTACCGATACCACATGGAGGTGAAGGGTACGGAGGTACCGTCAACATTGACAAGGTCAAC
 AGCGAAGATAGCGGGCGCTATGGAATCTTCGTCAAGAACAAGTATGGTTCCGAGACAGGCCAGGTACCA
 TCAGCGTGTCAAACATGGGGAGGAGCCCAAGGAGCTGAAGAAGAAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001085509
Insert Size: 4320 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).
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_001085509.2</u> , <u>NP_001078978.1</u>
RefSeq Size:	5578 bp
RefSeq ORF:	4320 bp
Locus ID:	242702
UniProt ID:	<u>A2ABU4</u>
Cytogenetics:	4 D3
Gene Summary:	May link the intermediate filament cytoskeleton to the M-disk of the myofibrils in striated muscle.[UniProtKB/Swiss-Prot Function]