

Product datasheet for **RN217634**

Myom2 (NM_001169141) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myom2 (NM_001169141) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myom2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217634 representing NM_001169141 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTGGTTGTAGTGCCTTTCTACCAGAAAAGACACAAGCACTTTGACCAGTCAATCGAAACATCC
AAACCAGGTACCTCCTGGACCGATATGCATCGAAAAAGCAAGCGTCCAGTCAATCATATCCAGAGGTC
TCTTACGGAGAGGTCCTCTTGAAGAGAGCTTCCAGTCAGAGCTCCGCTGAGGGCATGACCTGTAGGCTC
TGTGCAAAGCGGATGAGCGCATCAGAAGAGGAGGAAGTTGAAAAAGAAAACAGGTACCGTCTCTAGCGG
CTTCTTACGGAGAAGCCAAAAGGACGCTTTCCAGTGAAGTGGCCAGCTGGAGGAGAACGTACAATT
GGCACGGACACAGGCTCGGAACAAGCTGGACAAGTACTTCTGGAGCAGACGGTGGCAGACAATCTGGCT
TTGGAGAGAAGCTCATTGAAGACCGGCTGAGCAGGGCCCTGAGATCCTGGTGAAGTTAAGTCCCACA
CCATCTGGGAGCGGATGTCTGTGAGGCTCTGTTCACTGTACAAGGATCCCACTCCTGTGGTCAATG
GTACAAAGACGGCAGTCTGATCTGCCAGGCAGGGAGCCAGGCAAGTACCGGATTGAGAGCAGGTACGGA
GTGCACACTCTGGAGATCAACAGGGCCGACTTTGAGGACACAGCGACCTATTGAGCAGTACGCAACGAATC
CCCATGGACAAGTGTCTACCAATGCTGCGGTGGTGGTGAAGGTACCGAGGAGATGAGGAGCCCTACCA
CTCAGTAGGACTCCCAATTGGATTGCCTCTCTCATCTGTGATCCCGTACACACATTTTGTATGCCAGTTT
TTGGAGAAATTCGGGGTACCTTCAAGAGAGGGCGAGACGGTCACTCAAGTGCACATTATTGGTGA
CACCAGATCTGAAGAGGGTACAGCCTCGAGCCGAGTGGTACCGGGATGATGTGCTGCTGAAAAGTCCAA
GTGGACCAAGATGTTCTTCGGAGAAGGCCAGGCCCTCACTGTCTTCAGCCACCTGAACAAGGATGATGAG
GGGCTTTACCTTGAGGATCGTGTCCCGGGTGGAGTCAAGTACAGCAGCGCTTTCATGTTTGTGAGAG
ATGCTGACCCGCTGGTCAAGGGGCTCTGGGGCACCCATGGACCTGCAGTGCATGATGCAACCGAGA
CTATGTTATCGTACTTGGAAACCACCAACCACTACTGAGAGCCCCGTCATTGGCTACTTCAATTGAC
AAATGTGAGTGGAACTAACAAGTGGTTCAGTGAATGACGACCCGGTAAAGATCTGCAAGTACCCCG
TCACCGGACTTTTCGAAGGAAGATCGTACGTGTTCCCGCTGAGGGCTGTCAATAACGCCGGCATAAGCAG
GCCTTCCAGGATCTCCGATGCTGTGGCTGCCCTTGACCCTGTGGACCTCAGAAGTTGCAAGCGATTCAAT
TTGGAAGGAGAGAAAGAAATCGTCATCTACCAGGATGACCTTGAAGGTGATGTTCCAGATTCCAGGACCTC
CCACCAATGTCCAGGCTTCAGAGGTCAGCAGAACTACGTTGTCCTCAGCTGGGATCCTCCTTCTCCCCG
TGGCAAGGAGCCCTAATGTACTTCAATTGAGAAGTCGGCAGTTGGGAGTGGCAGCTGGCAGAGGGTCAAT



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GCCCAGACAGCAGTGAGATCTCCTCGGTATGCTGTCTTTGACTTGGCGGAAGGGAAGTCCTATGTGTTCC
 GGGTTTTGTGAGCCAATAAGCATGGCCTGAGTGACCCATCAGAGATAACACCACCTATTCAGGCTCAGGA
 CATGATTGTGGTTCCTCTGCACCTGGCCGGGTGCTTGCTTCCAGGAATACAAAGACATCTGTCGTGGTC
 CAGTGGGACAGACCAAAGCATGAAGAAGACCTGCTGGGCTACTATGTGGACTGCTGTGTGGCGGGAACAA
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 GGACAAGCGGGAAGTGATCATAAGAAGTGGCAGCAGATCAACTCTTCGCCTGTCAAAGAGAGGATCTTA
 ACGGTGGAAGGTTTGACTGAAGGCTCCTTGATGAGTTCAAAATCGTGCTACCAACCTGGCTGGGATCG
 GGCAGCCATCGGATCCCAGTGAGCACTTCAAGTGTGAGGCCTGGACAGCCCCAGAACCTGGTCCCGCCTA
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 AGCAGTCTGTTCTGGATATTTGTGGATTTAAGGAAGAGGATTCTGGGGAGTGAAGACCACCAGCG
 AGGCAGCAACTCCAAATCGTACTTAAAGTCTGTGACCTGCATCAAGGTAAAGCCTATGTATTCAGAGT
 TCGAGCAGTGAATGCCAGTGGACCAGGGAAGCCGTCAGACACATCGGAGCCTGTGCTCGTGAGGCCCCGG
 CCAGGCACAAAGGAGATCAGTGTGTTGGATGAGGAGGGCAACATCTACCTTGGGTTTACTGCCAGG
 AAATGACAGACGCCTCGAGTTCACCTGGTGCAAGGCCTATGAGGAGATCGCCGATGAGGAGCGGTTCGA
 GGTTACACAGAGGGTGATCACTCAAAGCTGACTTCAAGAATCCAGATAAAATAGACATAGGGACATAT
 TCTGTATCTGTAAGTGACACGGATGGTGTGCTTCCAGCTTCGTTTTGGATGAGGAAGAAGTGGAGCGTT
 TGATGGCGTTGAGCAATGAGATAAAGAATCCACAATTCCTCTGAAATCAGAATTAGCATATGAGATTTT
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 ATTAATGACAGAGAAGTTTCTGACAGTGAGACACACAGAATTAATGCGACAGATCGACAGGCATGATTG
 AGATGGTCATGGATCGGTTTACTATTGAAAACGAAGGGACCTACACTGTGCAGATTCAAGATGAAAAGC
 CAAGAATCAGTCTTCGCTGGTGTCTATTGGAGATGCATTCAGGGCTGTCTAGAAGAGGCTGAATTTCAA
 AGGAAGGAATTTCTACGGAACAAGGCCCTCATTTTGTGAGTATTTGCACTGGGATGTTACTGAAGAGT
 GTGAAGTTCGGCTTATCTGTAAGGTTGCAAACCAAGAGGGAAACCGTTTTCAAATGGCTCAAGGATGA
 TGTCTTTACGAAACCGAGACACCACCGCCGACCTGGAGAAGGGGATCTGTGAGCTGCTATACCCAAG
 TTGTCTAAGAAGGACCATGGCGAGTACAAAGCAACCTTGAAGATGACAGAGGTCAAGATGTATCTGTCT
 TGGAAGTAGCTGGCAAAGTGTACGAGGACATGATCTTGCCAATGAGCCGAGTGTGTGGAGCCTCTGCCTC
 ACCCTGAAGGTTCTCTGCACTCCAGAGGGCATCCGGCTTCAGTGCTTCATGAAGATTTTACAGAGGAA
 ATGAAGGTGAGTGGTACCACAAAGAGGCTAAGATCTCATCCAGTGAGCAGATGCCGATCGGAGGAAGCG
 AGGAGATGGCCTGGCTGCAGATCTGTGAGCCACAGAGAAGGACAAGGGGAAATACACTTTCGAGATCTT
 CGATGGCAAAGACAACCAACGCTCACTGGACCTCTCTGGGCAAGCCTTCGATGAAGCATATGCCGAG
 TTCCAGCAGCTCAAGGCTGCTGCATTTGCTGAGAAGAATCGTGGCAAGGTGATTGGCGGTTTGGCCGACG
 TGGTGACCATAATGGAAGGCAAGACCTTGAACCTCACCTGCACAGTATTTGGAACCCCGACCTGAGGT
 GGTCTGGTTTAAGAACGACAAGGACATTGAGCTAAGCGAGCACTTCTCGGTGAAGGTGGAGCAGTCCAAG
 TACGTCAGCCTGACCATTAAGGGGGTACTGCTGAGGACTCGGCAAGTACAGCATCAACGTGAAGAACA
 AATACGGAGGAGAGAAGATCGATGTACCGTACGCGTGTACAAACACGGGGAAGATCCCCGACATCTC
 AGCTCCCAGCAGGCCAAACCAAGCTTATCCCAGCTTCCACCTCAGCTGATTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-Mlul

ACCN:

NM_001169141

Insert Size:

4395 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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001169141.1</u> , <u>NP_001162612.1</u>
RefSeq Size:	4513 bp
RefSeq ORF:	4395 bp
Locus ID:	306616
Cytogenetics:	16q12.5
Gene Summary:	a major M-line structural protein [RGD, Feb 2006]