

Product datasheet for **RN208672**

Myo1d (NM_012983) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo1d (NM_012983) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myo1d
Synonyms:	Myo1c; Myr2; Myr4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN208672 representing NM_012983 Red=Cloning site Blue=ORF Orange=Stop codon

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGAGCAGGAGAGCCTTGAGTTTGGCAAGGCGGACTTCGTGCTGATGGACACCGTCTCCATGCCCC
 AGTTCATGGCCAACTTAGGCTCAGATTTGAGAAAGGACGCATCTATACATTCATTGGCGAGGTGGTCGT
 TTCCGTGAACCCATACAAGGTGCTGAACATCTATGGAAGGGACACAATTGAGCAGTACAAAGGTCCGGAG
 CTGTACGAGAGACCTCCTCATCTCTTCGCTATTGCTGACGCTGCTTACAAGGCTATGAAGAGGCGATCAA
 AAGACACCTGTATTATGATATCAGGGGAAAGTGGAGCTGGTAAACAGAGGCCAGTAAGTACATCATGCA
 GTATATCGCCGCCATCACCAACCCAGCCAGAGAGCAGAGATAGAAAGAGTGAAGAATATGTTGCTGAAG
 TCAAACTGTGTTTGAAGCTTTTGAATGCCAAAACCAATCGCAATGACAATCCAGCAGGTTTGGGA
 AATACATGGATATCAACTTTGACTTCAAGGGAGACCCATTGGGGGACATTAATAACTACTTGCTGGA
 AAAGTCTCGTGAATTGTGAACAGCCCGGAGAACGAAGCTTCCATTCTTCTATCAGCTACTTCAGGGA
 GGTTCCGAGCAGATGCTGCATTCTACATCTGCAGAAATCACTCTCATCCTACAACATACATCCGTGTGG
 GGGCACAACCTGAAGTCTTCCATCAATGATGCTGCAGAGTTCAAAGTTGTAGCTGATGCCATGAAAGTAAT
 TGGATTCAAACCTGAGGAGATTCAAACAGTGTATAAAATCTGGCTGCTATTCTTCACTTGGGAAATTTA
 AAATTTATAGTAGATGGTGACACGCCACTTATTGAGAATGGCAAAGTTGTATCTGTATAGCAGAATTGC
 TCTCAACCAAGGCAGACATGGTGGAGAAAGCCCTGCTTTACCGGACGGTGGCCACAGGCCGTGACATCAT
 TGACAAACAGCACACGGAACAGGAGGCTAGCTACGGCAGAGACGCCTTTGCCAAGGCAATATATGAGCGC
 CTCTTTTGTGGATTGTTACTCGCATCAATGACATCATCGAGGTCAAGAACTACGACACCACAGTACATG
 GGAAAAACACAGTTATTGGCGTCTTGGATATCTATGGCTTTGAAATCTTGGACAACAACAGCTTCGAGCA
 GTTCTGCATTAACTACTGCAATGAGAAGCTGCAGCAGCTGTTCAATCAGCTGGTGTGAAGCAGGAGCAA
 GAGGAGTACCAGCGGGAAGGAATCCCTGGAAACACATTGATTACTTCAACAACCAGATCATTGTGGACC
 TCGTGGAGCAGCAGCACAAGGCATCATTGCAATCCTGGATGACGCGTGTATGAATGTTGGCAAAGTCAC
 TGATGGAATGTTCTCGAGGCCCTTAACAGTAAATTGGGCAAACATGGTCATTTTCCAGCCGAAAGACC


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TGTGCCTCAGACAAAATCCTGGAGTTTGATCGGGACTTTCGAATCCGGCATTATGCAGGTGATGTCGTGT
ATTCTGTCATCGGTTTCATTGACAAAAACAAAGATACTTTATTTCAAGACTTCAAGCGCCTCATGTATAA
CAGCTCAAATCCTGTGCTGAAGAACATGTGGCCGGAAGGCAAACCTGAGCATTACAGAGGTGACCAAGAGG
CCTCTGACCGCCGCCACCCTGTTAAGAATTCCATGATTGCTTTAGTAGACAACCTTGCTTCAAAGGAGC
CATACTATGTACGTTGCATCAACCCACGACAAGAAGTCCCCACAGATTTTGTATGATGAGCGGTGCCG
CCATCAGGTAGAATACCTGGGACTCCTGGAAAAATGTGAGAGTGCGCCGGGCAGGGTTTGCCTTCGCCAG
ACCTATGAGAAGTTTCTTCACAGATACAAGATGATCTCTGAGTTCACCTGGCCTAACCACGACCTTCCTT
CAGACAAGGAGGCTGTCAAGAACTCATAGAGCGATGTGGCTTTCAGGATGACGTAGCATATGGGAAGAC
CAAAATTTTCATTGAAACACCCCGTACGCTGTTCACTTTGGAAGAACTCCGCGCCAGATGCTCGTCAGG
GTTGTCCTCTTCTACAAAAGGTGTGGCGTGGCACCCTGGCCCGCATGCGGTACAAGAGGACCAAGGCAG
CTCTGACAATAATCAGGTACTACCGGCGCTATAAAGTGAAGTCGTACATCCACGAGGTAGCCAGGCGATT
CCACGGGGTCAAGAACATGAGAGACTACGGGAAGCACGTGAAGTGGCCAACCCACCCAAAGTCTGCGG
CGTTTTGAGGAGGCCCTGCAGTCGATTTTAAATAGATGGAGAGCATCCCAACTCATCAAGACCATACCTG
CATCAGACCTTCCCCAGGTCAAGGCAAGGTTGCAGCCATGGAGATGTTGAAAGGTCAAAGGGCAGACCT
TGGGCTCCAGAGGGCCTGGGAAGGCAACTATCTTGCTTCAAAGCCAGATACACCTCAGACCTCGGGCACT
TTCGTCCAGTTGCTAATGAGCTGAAACGCAAGGACAAATATATGAATGTTCTCTTTCTGTGTCATGTCC
GAAAGGTGAATCGATTTAGTAAGGTAGAAGACCAGCAATTTTGTCACTGACCGTCACCTGTATAAAAT
GGACCCCACTAAGCAGTACAAGGTGATGAAGACCATCCCACTGTACAATTTGACTGGCCTGAGTGTGTCC
AATGGAAGGACCAGCTTGTAGTGTTCACACAAAAGACAACAAAGACCTCATCGTCTGCCTCTTCAGCA
AACAGCCGACCATGAGAGCCGATTGGAGAAGTGTGGAGTCTGTTGAATCATTTCAAGAGTGAGAA
GCGCCACCTTCAAGTGAACGTCACCAACCCGGTGCAGTGCAGCCTGCATGGGAAGAAATGCACCGTATCC
GTGGAGACCCGGCTTAACCAAGCACAGCCTGACTTCACCAAGAACCGCTCCGGCTTCATCCTCAGTGTGC
CCGGAATGA

AGCGGACCGACGCTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCC
TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-RsrII

ACCN:

NM_012983

Insert Size:

3021 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:

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_012983.2, NP_037115.2

RefSeq Size:

5303 bp

RefSeq ORF:

3021 bp

Locus ID: 25485

UniProt ID: [Q63357](#)

Cytogenetics: 10q26

Gene Summary: an unconventional myosin that binds calmodulin [RGD, Feb 2006]