

Product datasheet for **RN213648**

Myo7a (NM_153473) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myo7a (NM_153473) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myo7a
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN213648 representing NM_153473 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGTTATTCTACAAAAGGGGGACTACGTGTGGATGGACCTGAAGTCGGGCCAGGAGTTCGATGTGCCCCA
TCGGGGCCATGGTAAAGCTCTGTGAGTCTGGGCAGATCCAGGTGGTGGATGATGAAGGCAATGAACACTG
GATTTCCCTCAAATGCCACGCACATCAAGCCAATGCACCCACATCGGTGCATGGTGTGGAGGACATG
ATCCGCTGGGGATCTCAACGAGGCAGGCATTCTCGAAACCTTCTCATTGCTACCGGGACCATTCTCA
TCTACACATACACGGGTTCCATCCTGGTGGCGTGAACCCCTACCAGCTGCTGCCATCTACTCGTCAGA
GCACATCCGCCAGTATACCAACAAGAAGATAGGGGAGATGCCCCCCACATCTTTGCCATTGCCGACAAT
TGCTACTTCAACATGAAACGCAACAACCGGACCAAGTGTGTATCATCAGCGGGGAATCAGGAGCTGGCA
AGACAGAGAGCACAAAGCTGATCCTGCAGTTCTGGCGGCTATCAGTGGACAGCACTCATGGATCGAGCA
GCAGGTGCTGGAGGCCACCCGATCCTGGAAGCATTTGGGAATGCCAAGACCATCCGCAATGACAACTCC
AGCCGCTTTGGCAAGTACATTGACATCCACTTTAACAAGCGTGGTGCCATTGAGGCGCAAAAATAGAGC
AGTACCTGCTGGAGAAGTACGAGTCTGCCGCCAGGCCCTGATGAGAGGAATATCACGTGTTCTACTG
TATGCTGGAGGGCATGAATGAGGAGGAGAAGAAGCTAGGCCTAGGCCAGGCCGCTGACTACAATAT
TTGGCAATGGGTAAGTGCATCACCTGTGAGGGCGTGTGGACAGTCAGGAGTATGCCAATCCGCTCAG
CCATGAAGGTGCTCATGTTACAGACACGAGAAGTGGGAGATCTTGAAGCTTCTGGCCGCCATCCTACA
CATGGGCAATCTGCAGTACGAGGCCCGTACGTTTGAGAACTTGGATGCGTGCGAAGTCTCTTCTCCCCA
TCGCTGGCCACGGCAGCTTCTCATCTCGAGGTGAATCCCCAGACCTGATGAGCTGCCTCACCAGCCGCA
CCCTCATCACCCGTGGGAAACGGTCTCCACCCCTCTCAGCAGGGAGCAGGCGCTGGATGTGCGAGATGC
CTTTGTCAAGGGCATCTATGGCGGCTCTTTGTATGGATTGTGGAGAAGATCAATGCAGCAATCTACAAA
CCACCTCTCAGGAAGTACGAACTCTCGCCGGTCCATCGGTCTCCTGGACATTTTGGGTTTGAGAACT
TCACCGTGAACAGCTTTGAGCAGCTCTGCATTAACCTTTGCCAATGAGCACCTGCAGCAGTTTTCGTGCG
ACACGTGTTCAAGTTGGAGCAGGAGGAGTATGACTTGGAGAGCATTGACTGGCTGCACATCGAGTTCACT
GACAACAGGAGGCCCTGGACATGATCGCAACCGGCCATGAACGTATCTCCCTCATTGACGAAGAGA
GCAAGTCCCCAAGGGCACGGATGCCACCATGCTGCATAAGTTGAACTCACAGCACAGGCTCAATGCCAA



[View online »](#)

CTACGTCCCACCAAGAACAGCCATGAGACCCAGTTTGAATCAACCACTTTGCGGGCATTGTCTACTAT
GAGAGTCAAGGCTTCTGGAGAAGAAGACAGACACCCCTGCATGGGGACATCATCCAGCTGGTCCACTCTT
CCCGGAACAAGTTTGTAAAGCAGATTTTCCAGGCCGACGTTGCTATGGGTGCAGAGACCAGGAAGCGCTC
GCCTACACTCAGCAGCCAGTTCAAGCGGTCTCTGGAGCTGCTGATGCGCACACTGGGCGCCTGCCAGCCC
TTCTTTGTACGATGCATCAAACCAATGAGTTCAAGAAGCCCATGCTCTTCGACCGGCACCTGTGTGTAC
GCCAGCTGCGCTATTGCGGCATGATGGAGACTATCCGCATCCGCCACGAGGCTACCCCATTCGCTACAG
CTTTGTGGAGTTTGTGGAGCGCTACCGCTGCTGCTGCCCTGGGGTGAACACAGCATACAAGCAGGATGAC
CTCCAAGGGACATGCCAGCGCATGGCTGAGGCCGTGCTGGGCACTCACGATGACTGGCAGATTGGCAAAA
CCAAGATCTTTCTGAAGGACCACCATGACATGTTGCTGGAGGTGGAGCGGACAAGGCCATCACAGACAG
AGTCATTCTCCTCCAGAAGGTATCCGGGGCTTCAAAGACAGGTCCAACCTTCTGAGATTGAAGAGTGCA
GCCACACTGATCCAGAGGCATTGGCGGGGCCACCACTGTAGGAAAACTATGAGCTGATTCGTCTTGGCT
TCCTGCGGTTGCAGGCCCTGCACCGCTCCCGAAACTGCACAAACAGTACCGCTGGCCAGACAGCGCAT
AATAAAGTTCCAGGCCGCTGCCGGGCTACCTGGTGCGCAGGGCCTCCGCCACCGCTCTGGGCCGTG
ATCACCGTGACGGCTATGCCCGGGCATGATTGCGCGCCGCTACACCGCGCCTCCGAGTTGAGTACT
GGCGGCGCCTTGAGGCAGAGAGGATGCGGCTGGCAGAGGAGGAGAAGCTAAGAAAGGAGATGAGTGCCAA
GAAGGCCAAGGAGGAGGCGGAGCGCAAGCATCAGGAGCGCTGGCCAGCTAGCCCGCAGGATGCAGAG
CGGGAAGTGAAGGAGAAGGAAGAGGCTCGCGGAAGAAGGAGCTGTTACAGCAGATGGAGAGGGCCCGCC
ATGAGCCTATCAACCACTCAGATATGGTGGACAAGATGTTTGGCTTCTGGGGACTTCAAGTGGCCTGCC
AGGCCAGGAGGGCCAGGCACCTAGTGGCTTTGAGGACCTGGAGCGAGGGCGGAGGAGATGGTGGAAGAG
GATGTCGATGCTGCCCTGCCCTGCCTGACGAGGATGAGGAGGACCTTTCTGAGTACAAATTCGCCAAAT
TTGCTGCCACCTACTTCCAGGGCACAACCACACACTCTACACCCGAGGGCCCTCAAGCAGCCACTGCT
CTACCAGATGATGAGGGTGACCACTGGCGGCACTGGCTGTCTGGATCACCATCCTCCGTTTATGGGG
GACCTCCAGAGCCCAAGTACCACACAGCCATGAGCGATGGCAGTGAGAAGATCCCTGTGATGACTAAGA
TCTATGAGACCTTGGGCAAGAAGACATACAAGAGGGAGCTGAGGCCCTGCAGGGCGAGGGCGAGGCCCA
GCTCTCTGAGGGGCAGAAGAAGACCACTGTGAAACACAAGTTGGTACACTTGACACTGAAGAAGAAGTCC
AAACTCACAGAAGAGGTGACCAAGAGGCTGCATGATGGGAGTCCATGGTACAGGGCAACAGCATGCTGG
AGGACCGGCCACCTCAAATCTAGAGAAGCTGCACTTCATCATTGGCAACGGTATCCTGCGACCTGCACT
GCGGGATGAGATTTACTGCCAGATCAGCAAGCAACTCACACACAACCCATCCAAGAGCAGCTATGCCAGG
GGCTGGATCCTTGTGTCTCTGTGTGGGATGCTTCGCCCTTCTGAGAAGTTTGTAACTACCTACGGA
ACTTCATCCATGGAGGCCACCCGGCTATGCCCTACTGTGAGGAGCGCTGAGAAGGACCTTTGTCAA
TGGAAGTGGACACAGCCACCCAGTTGGCTGGAAGTGCAGGCCACCAAGTCCAAGAAGGCCATCATGTTG
CCCGTGACCTTCATGGACGGGACCACTAAGACCTGCTAGCAGATTACAGCAACCAGGCCAAGGAAGTAT
GCAATGCTCTGGCTGACAAGATCTCACTCAAGGACCGCTTTGGCTTCTCCCTCTACATTGCTCTGTTGCA
TAAGGTATCCTCCTGGGCACTGGCAGTGACACGTCATGGACGCAATCTCCAGTGCGAGCAGTATGCC
AAGGAGCAGGGTGACAGGAGCGCAACGCCCTGGAGGCTCTTCTTCAGAAAGGAGGTCTTACACCCCT
GGCACAACCCCTCGGAGGACAACGTGGCCACCAACCTCATCTACCAGCAGGTGGTGCAGGAGTCAAGTT
TGGGGAGTACAGGTGTGAGAAGGAGGATGACCTGGCCGAGTTGGCTCCAGCAGTACTTTGTGGACTAT
GGTTCTGAGATGATTCTGGAGCGTCTGCTGAGCCTCGTGCCCACTTACATTCTGACCGTGAGATCACAC
CGCTAAAGAATCTTGAGAAGTGGGCACAGCTGGCTATTGCTGCCACAAGAAGGGAATTTATGCCAGAG
GAGAACTGATGCCCAGAAGGTCAAACAGGATGTGGTCAATTATGCCGTTTCAAGTGGCCCTTGCTCTTT
TCCAGGTTTTATGAAGCCTACAATTCTCAGGCCCTCCCTCCCTAAGAGTGACGTCATCGTGGCTGTGA
ACTGGACGGGCTCTACTTCGTGGACGAGCAGGAGCAGGTGCTTCTGGAGCTGTCCTTCCGGAGATCAT
GGCTGTGTCCAGCAGTAGGGGAGCAAACTGATGGCCCCAGCTTACACTGGCCACCATCAAAGGGGAT
GAGTACACCTTCACATCTAGCAATGCTGAGGACATCCGTGACCTGGTGGTACCTTTCTGGAGGGCTCC
GGAAGAGGTCTAAGTATGTGGTGGCACTGCAGGACAATCCAACCTGCTGGTGAGGAGTCGGGCTTCT
CAGCTTTGCCAAGGGAGACCTCATCTTCTGACCATGATACCGGCGAGCAGGTGATGAATTGAGCTGG
GCCAATGGCATCAACGAGAGAACCAAGCAGCGTGGAGACTTCCCAACCGACTGTGTCTACGTGATGCCCA
CTGTACCTTGGCACCCAGGGAATTTGGGCCCTGGTCACTATGACCCAGACAGGAGGAGGATGTTGT
CCGGCTTCTGAGCTGCGCACAGCAGAGCCAGAGGTGCGCACCAAGCCCTACACGCTGGAGGAGTTCTCC
TATGACTACTTCAAGTCCCCACCAAGCACAGCTGAGCCGTGTCATGGTGTCCAAGGCCGAGGGAAGG
ACCGACTGTGGAGTACACACGAGAGCCCTCAAGCAGGCCCTGCTCAAGAAGATCGTGGGACGCGAGGA
ACTCTCCAGGAAGCCTGCATGTCCTTCATAGCTGTGCTCAAGTACATGGGTGACTACCCATCCAAGAGG

ACACGCTCTGTCAATGAGCTCACTGACCAGATCTTCGAGTGGGCAGTGAAGGCCGAGCCCTCAAAGATG
 AGGCCTACGTGCAGATCCTGAAGCAGCTGACTGACAATCATATCAGGTACAGCGAAGAGAAGGGTTGGGA
 GCTGCTGTGGCTGTGCACAGGCCTCTTCCACCCAGCAACATCCTCCTGCCTCATGTTACAGCGTTTCCTG
 CAGTCCCGCAAACACTGTCCTCTTGCCATTGACTGCCTACAAAGGCTCCAGAAAGCCCTGAGAAACGGGT
 CCCGGAAGTACCCTCCACACCTGGTGGAGGTAGAGGCCATCCAGCACAAGACTACCCAGATTTTCCACAA
 GGTCTACTTCCCTGACGACACGGATGAGGCTTTTGAGGTAGAGTCCAGCACCAAGGCCAAGGACTTCTGC
 CAGAACATCGCCAGCCGGCTGCTCCTCAAGTCTTCTGAGGGATTACGCCTTTTGTCAAAATCGCAGATA
 AGGTCATCAGCGTCCCTGAGAATGACTTCTTCTTTGACTTTGTTGACACCTGACAGACTGGATAAAGAA
 GGCACGGCCCATCAAGGATGGAATCGTGCCTCACTGACCTACCAGGTGTTCTTCATGAAGAAGCTGTGG
 ACCACCACCGTGCCTGGCAAGGACCCCATGGCCGACTCCATATTCACCTATTACCAGGAAGTGGCCAAAGT
 ATCTCCGAGGCTACCACAAGTGCACCCGGGAGGAGGTGCTACAGCTGGGCGCGCTCATCTACAGGTGCAA
 GTTTGAGGAGGACAAATCCTACTTCCCTAGCATCCCCAAGTTGCTGAGGGAGCTGGTGCCCAAGGACCTA
 ATCCGGCAGGTCTCACCTGATGACTGGAACGGTCTATTGTCGCCTACTTCAACAAGCATGCAGGGAAGT
 CCAAGGAGGAGGCAAGCTGGCCTTCTCAAGCTCATCTTCAAGTGGCCACCTTTGGATCAGCCTTCTT
 TGAGGTGAAGCAAACGACAGAACCAAACTTCCAGAGATTCTCTTAATTGCCATCAACAAGTATGGGATC
 AGCCTCATCGATCCAGAACCAAGGACATCTTGACTACTCACCCCTTACCAAGATCTCCAAGTGGAGTA
 GTGGCAACACCTACTTCCACATCACCATTGGGAACTTGGTCCGTGGGAGCAAAGTCTCTGTGAGACATC
 ACTGGGATACAAAATGGATGATCTTCTGACTTCTACATCAGCCAGATGCTCACTGCCATGAGCAACAG
 AGGAACTCCAGGAGCGGGAGGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

Sgfl-MluI

ACCN:

NM_153473

Insert Size:

6534 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_153473.1, NP_703203.1

RefSeq Size:

6807 bp

RefSeq ORF:

6534 bp

Locus ID:

266714

Cytogenetics:

1q32

Gene Summary: a myosin with a plus-directed motor [RGD, Feb 2006]