

Product datasheet for **RN200853**

Myh7 (NM_017240) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myh7 (NM_017240) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myh7
Synonyms:	Bmyo; myHC-beta; myHC-slow; Myhcb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN200853 representing NM_017240 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGATCGAGAGATGGCTGCATTTGGGGCCGGAGCCCTTCTGCGAAAACTGAGAAGGAGCGGC
TGGAGGCGCAGACCAGGCCCTTTGACCTCAAGAAAGATGTTTTGTGCCTGATGACAAAGAAGAGTTTGT
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GTGAAGGAGGACCAGGTGATGCAGCAGAACCCTCCAAGTTCGACAAGATCGAGGACATGGCCATGCTGA
CCTTCTGACAGCGCCGGCTGTGCTCTACAATCTCAAGGAGAGGTACGCTTCTGGATGATCTACACCTA
CTCAGGCCTTTCTGTGTACCGTCAACCCCTATAAGTGGCTGCCAGTGTACAATGCGCAAGTGGTAGCT
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CACCACATGTTCTGCTGGAGCAGGAGGAGTACAAGAAGGAAGGCATCGAGTGGACGTTTATTGACTTCG
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 GGATGACGCGAGTCCGTGCCAATGACGACCTGAAGGAGAACATCGCCATCGTGGAGCGGCGCAACAACCTG
 CTCGAGGCGGAGCTGGAGGAGCTGCGGGCCGTGGTGGAGCAGACGGAGCGGTCTCGGAAGCTGGCAGAGC

AGGAGCTGATCGAGACCAGCGAGCGGGTGCAGCTGCTGCACTCCCAGAACACCAGCCTCATCAACCAGAA
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GCAGAGGAGAAGGCCAAGAAGGCCATCACAGATGCCGCCATGATGGCCGAGGAGCTGAAGAAGGAGCAGG
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GGACGAGGCAGAGCAGATCGCCCTCAAGGGTGGCAAGAAGCAGCTGCAGAAGCTGGAGGCCCGGGTCCGG
GAGCTGGAGAATGAGCTGGAGGCTGAGCAGAAGCGCAATGCGGAGTCGGTGAAGGGCATGAGGAAGAGCG
AGCGGCGCATCAAGGAGCTCACCTACCAGACAGAGGAAGACAGGAAGAACCTACTGCGACTGCAGGACCT
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ACCAACCTGTCCAAGTTCGCAAGGTGCAGCAGGCTGGATGAGGCAGAGGAGAGGGCGGACATTGCCG
AGTCCCAGGTCAACAAGCTGCGGGCCAAGAGCCGTGACATTGGCGCCAAGGGCTGAATGAAGAGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_017240
Insert Size:	5808 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:	NM_017240.2 , NP_058936.1
RefSeq Size:	5923 bp
RefSeq ORF:	5808 bp
Locus ID:	29557
UniProt ID:	P02564
Cytogenetics:	15p13
Gene Summary:	heavy chain of myosin; involved in muscle contraction [RGD, Feb 2006]