

Product datasheet for **RN203442**

Myh1 (NM_001135158) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myh1 (NM_001135158) Rat Untagged Clone
Tag: Tag Free
Symbol: Myh1
Synonyms: MYHC
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN203442 representing NM_001135158
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTTCGGACGCCGAGATGGCCGTTTTTCGGGGAGGCTGCTCCTTACCTCCGGAAGTCTGAAAAGGAGC
GAATCGAGGCTCAGAACAAGCCTTTTGGATGCCAAGTCATCCGTGTTTGTGGTGGATGCTAAGGAGTCTTT
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ACAGTAAAAGATGATCAAGTCTTCCCATGAACCTCCCAAGTACGACAAGATCGAGGACATGGCCATGA
TGACCCACCTCCACGAGCCTGCTGTGCTGTACAACCTCAAAGAGCGTTACGCAGCCTGGATGATCTACAC
CTACTCGGGCCTGTTCTGTGTCAGTGTCAACCCCTACAAGTGGCTGCCAGTGTATAATGCAGAGGTGGT
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GAACACGAAGCGTGTATCCAGTACTTTGCAACAATTGCAGTCACTGGGGAGAAGAAGAAGGAGGAAGCA
CCTTCTGGCAAAATGCAGGGGACCCTGGAGGATCAAATCATCAGTGCCAATCCTCTGTGGAAGCCTTCG
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CACAGGGAAAGCTGGCTTCTGCTGATATTGAAACATATCTTCTGGAGAAGTCTAGAGTCACTTCCAGCTA
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CCTGCTCAAAGCCCTGTGTTACCCAGGGTCAAGGTCGGCAATGAGTATGTCACCAAAGGCCAGACTGTG
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TTTTTCAACCACCACATGTTCTGTGCTGGAGCAGGAGGAGTACAAGAAGGAAGGCATCGAGTGGGAGTTCA



TCGACTTCGGGATGGACCTGGCGCCTGCATCGAGCTCATCGAGAAGCCAATGGGCATCTTCTCCATCCT
 GGAAGAGGAGTGCATGTTCCCAAGCGACAGACACCTCCTTCAAGAACAAGCTGTATGAACAGCATCTT
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 GCTCTCCAGGGGCAACAGGCAATCACTCAACAGATTGAGGAGCTGAAGAGGCAGCTTGAAGAGGAAGTA
 AAGGCCAAGAGTGCCCTGGCTCATGCTCTTCACTCCTCCCGCCATGACTGTGACCTTCTGCGGGAACAGT
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 CAAGGACACCCAGTTGCACCTGGATGACGCTCTCCGGGGCCAGGAGGACCTGAAGGAGCAGCTGGCCATG
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 GGAGCAGGAAGATTGCAGAGCAGGAACTGCTGGACGCCAGTGAGCGCGTGACGCTCTCCACACCCAGAA

CACCAGCCTCATCAACACCAAGAAGAAGCTGGAGACAGACATTTCCAGATCCAGGGAGAGATGGAGGAC
ATCGTCCAGGAAGCCCGCAATGCAGAAGAGAAGGCCAAGAAAGCCATCACTGACGCCCATGATGGCGG
AGGAGCTGAAGAAGGAGCAGGACACCAGCGCCCATCTGGAGCGGATGAAGAAGAACCTGGAGCAGACGGT
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AGGAGCGGGCTGACATCGCCGAGTCCCAGGTCAACAAGCTGCGGGTGAAGAGCCGCGAGGTTACACCAA
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001135158
Insert Size:	5829 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_001135158.1, NP_001128630.1</u>
RefSeq Size:	6031 bp
RefSeq ORF:	5829 bp
Locus ID:	287408
Cytogenetics:	10q24
Gene Summary:	one of three isoforms of myosin heavy chain; components of fast-twitch fibers in skeletal muscle; responsible for myosin ATPase activity and control of fiber shortening speed and resistance to fatigue [RGD, Feb 2006]