

Product datasheet for **RN217711**

Myh8 (NM_001100485) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myh8 (NM_001100485) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myh8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN217711 representing NM_001100485 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGGATCGCC

ATGAGTACGGGTTCCGACCGGAGATGGCTATTTTTGGCGAAGCTGCTCCTTACCTCCGAAAATCGGAGA
AGGAGCGGATTGAGGCCAAAACAAGCCCTTTGATGCCAAAACATCTGTCTTTGGCGGAGCCCAAGGA
GTCTATGTGAAGAGCGTCATACAAAGCAAGGAAGGAGGAAAGTGACCGTTAAGACGGAAAGTGGAGCA
ACTCTCACCGTCAAGGAAGACCAAGTCTTCCCATGAACCCTCCCAAATATGACAAGATCGAGGACATGG
CCATGATGACCCACCTTCATGAGCCCGGGTGCTGTATAACCTCAAAGAGCGTTACGCAGCCTGGATGAT
CTACACCTACTCAGGTCTTTTCTGTGTACCCGTCAACCCCTACAAGTGGCTGCCGGTGTACAACCTGAA
GTGGTGGCGGCTTACAGAGGCCAAAAGCGCCAGGAGGCCCGCCACATCTTCTCCATCTCTGACAACG
CCTACCAGTTCATGTTGACGGATCGTGAGAACCAGTCCATCTGATCACCGGAGAATCTGGGGCCGGGAA
GACTGTGAACACCAAGCGTGTCCAGTACTTTGCAACAATTGCAGTCACTGGGAGAAGAAGAAAGAG
GAGTCTGGCAAAATGCAGGGGACCCTGGAGGATCAAATCATCAGTGCCAATCCCTTGCTGGAGGCCCTTTG
GGAATGCCAAGACTGTGAGAAATGACAACCTCTCGCTTTGGCAAGTTCATCAGAATCCACTTCGGTAC
CACAGGGAAACTGGCATCTGCTGATATCGAAACATATCTTCTAGAGAAGTCTAGAGTCACTTCCAGCTA
AAGGCTGAGAGAAGTTACCACATTTTTTATCAGATTACCTCCAATAAGAAGCCAGAGCTAATTGAAATGC
TCCTGATCACCAACCCATACGACTACGCCTTTGTCAGTCAAGGGGAGATCACAGTGCCAGCATTGA
TGATCAAGAAGAGTTGATGGCCACAGACAGTGCCATTGATATCTGGGCTTCTCACCTGAAGAGAAAAGTA
TCCATCTATAAGCTCACGGGAGCTGTGATGCATTATGGGAACATGAAGTTCAAGCAAAAGCAGCGTGAGG
AGCAGGCTGAGCCGGATGGCACTGAAGTGGCTGACAAGGCTGCCTACCTCCAGTCTCTGAACTCTGCTGA
CCTGCTCAAAGCCCTCTGCTACCCAGGGTCAAGGTTGGCAATGAGTACGTCACCAAAAGGCCAGACGGTG
CAACAGGTGATAATGCAGTGGCGCCCTGGCTAAAGCTGTCTATGAGAAGATGTTCTGTGGATGGTCA
CCGCATCAACCAGCAGCTGGACACCAAGCAGCCAGGCAGTACTTCATCGGGGCTTGGACATCGCTGG
CTTTGAGATCTTTGACTTCAACAGCCTGGAGCAGCTGTGCATCAACTTACCAACGAGAAACTGCAACAG
TTTTTCAACCACCACATGTTCTGTGCTGGAGCAGGAGGTACAAGAAGGAAGGCATCGAGTGGACCTTCA
TCGACTTCGGGATGGACCTGGCGCCTGCATCGAGCTCATCGAGAAGCCACTGGGTATCTTCTCCATCT
GGAAGAGGAGTGCATGTTCCCAAGGCGACAGACCTCTTCAAGAACAAGCTGTATGACCAGCACCTG



GGAAAATCCAACAACTTCCAGAAGCCCAAGCCTACCAAAGGCAAGGCGGAGGCCACTTCTCCCTCATTC
ACTATGCGGGCACCCTGGACTACAACATCACTGGTTGGCTGGACAAGAACAAGGACCCTTTGAATGACAC
CGTGGTGGGGCTGTACCAGAAGTCAGCAATGAAAACCTCTGGCCAGCCTCTTTCCACATACGCCAGTGCT
GAAGCAGATGGTGGTGC AAAAGAAAGGAGCTAAGAAGAAGGGCTCTTTTCCAAACCGTGTACGCCCTTT
TCAGGGAAAACCTAAATAAACTGATGACCAACCTAAGAAGTACACACCCTCACTTTGTACGGTGTATCAT
TCCCAACGAAACGAAAACCTCCCGGTGCCATGGAGCACGAACTGGTCTGCACCAGCTGAGGTGTAAACGG
GTGCTGGAAGGCATCCGCATCTGCAGGAAGGGTTCCCCAGCAGGATTCTGTATGGGGACTTTAAGCAGA
GATACAAGGTGTTAAATGCAAGTCTATTCCAGAGGGACAGTTTCATCGACAGCAAGAAGGCTCTGAGAA
GCTTCTGGGCTCTATTGATATTGATCACACTCAGTATAAAATTTGGACACACCAAGTTTTCTTCAAAGCT
GGTCTCTGGGTCTCTGGAAGAAATGAGAGATGAAAAGCTGGCCAGATTATAACAAGAACACAGGCGG
TCTGTAGGGGATACCTAATGAGAGTCGAGTACCAGAAAATGCTGCTGAGAAGGGAGTCCATCTTCTGCAT
CCAGTACAACATCCGCGCCTTCATGAACGTCAAGCACTGGCCCTGGATGAAAACCTTTCTTCAAGTCAAG
CCCCTGCTGAAGAGCGCTGAGACCAGAAAGGAGATGGCCACCATGAAGGAGGAGTCCAGAAAACCAAGG
ACGAGCTCGCAAGTCGGAGGCAAGAGGAAGGAGCTGGAGGAGAAAATGGTACGCTTCTCAAAGAGAA
GAACGACCTGCAGCTCCAGGTTCAATCTGAAGCAGACAGCTTGGTGTATGCTGAGGAAAGGTGTGAACAA
TTGATTA AAAACAAAATCCAGCTGGAGGCCAAAATCAAAGAGGTGACTGAGAGAGCGGAGGATGAGGAGG
AGATCAATGCCGAGCTCACAGCCAAAGAAGGAAGCTGGAGGACGAGTGTCTCAGAGCTGAAGAAGGCAT
CGATGACCTTGAGCTGACACTGGCCAAGGTTGAGAAGGAGAAGCAGCCACGGAGAACAAGGTGAAAAAC
CTCACAGAGGAGATGGCGGGCTGGACGAAACCATCGCCAAGCTGACCAAGGAGAAGAAGGCCTTGCAAG
AGGCCACCAGCAGACCTGGATGACCTGCAGGCAGAGGAGGACAAAAGTCAACACCCTGACCAAAGCCAA
AACCAAGCTCGAACAGCAAGTGGATGATCTTGAAGGATCGCTAGAGCAAGAAAAGAAGCTGAGGATGGAT
CTGGAAAGAGCCAAGAGGAAAACCTGGAGGGGGACCTGAAACTGGCCAAGAGTCCACAATGACATAGAAA
ATGACAAAACAGCAGCTGGATGAGAAAACCTAAAAGAAGGAGTTTGAATCAGCAATCTAATAAGCAAAA
TGAAGATGAACAAGCTGTGGAAAATCCAGTTGAGAAAGAAGATCAAAGAGCTGCAGGCCCGCATCGAGGAG
CTGGAGGAGGAAAATCGAGGCAGAGCGGGCTCCAGGGCCAAAGCAGAGAAGCAGCGCTCTGACCTCTCCC
GGAACTGGAGGAGATCAGCGAGAGGCTGGAAGAAGCCGGCGGGGCCACATCTGCTCAGGTGGAGTTGAA
TAAGAAGCGGAAACGGAGTTCCAGAAGCTTCGCAGGGACCTGGAGGAGGCCACCCTGCAGCATGAAGCC
ACATCAGCCGCTCTCGAAGAAGCAGCGGACAGTATGGCGGAGCTCGGGGAGCAGATCGACAACCTGC
AGCGGGTGAAGCAGAAGCTGGAGAAGGAGAAGAGCGAGCTGAAGATGGAGATCGACGACCTTAGCAGTAA
TGCAGAGGCCATCGCCAAAGCCAAGGAAAACCTTGAGAAGATGTGCCGACTCTGGAGGACCAGGTGAGC
GAGCTGAAGAGCAAGGAGGAGGAGCAGCAGCGGCTCATCAATGAGCTGACTGCACAGAGAGCAGCCTGC
AGACAGAAGCAGGAGAGTATTCCGACAGCTGGATGAGAAAAGATGCTTTAGTCTCTCAGTTGTCAAGGAG
CAAACAGGCATCCACCCAGCAGATTGAGGAGCTGAAGCGACAGCTCGAGGAAGAAAACCAAGGCCAAGAAC
GCGCTGGCCACGCCCTGCAGTCTCCCGCCACGACTGTGACCTGCTTCGGGAACAGTACGAGGAGGAGC
AGGAAGGCAAAGCCGAGCTGCAGAGGGCGCTGTCCAAGGCCAACAGCGAGGTGGCCAGTGGAGGACCAA
ATATGAGACGGATGCCATCCAGCGCACGGAGGAGCTGGAGGAGGCCAAGAAGAAGCTGGCTCAGCGTCTG
CAGGGCGCTGAGGAGCACGTAGAAGCTGTGAACGCCAAGTGTGCTTCCCTGGAGAAGACAAAAGCAGCGGC
TGCAGAATGAGGTGGAGGACCTCATGCTGGACGTAGAGAGGACCAACGCCGCTGTGCTGCCCTGGACAA
GAAGCAGAGAAAACCTCGACAAGGTTCTATCGGAATGGAGACAGAAGTATGAGGAAAACCTCAGGCTGAGCTT
GAGTCTGCCAGAAGGAGTCCCGTACTCTCAGCACAGAGCTGTTCAAGGTGAAGAACGCCTATGAGGAGT
CTCTGGATCAACTGGAGACGCTAAGGAGAGAGAACAAGAATCTACAGCAGGAGATTTCTGACCTGACCGA
GCAGATTGCAGAGGGAGGGAAGCATATCCACGAGCTGGAGAAAATAAAGAAGCAAGTGAACAAGAGAAG
TGTGAGATCCAGGCTGCTTAGAGGAAGCAGAGGCATCTCTGGAGCACGAGGAGGAAAGATCCTGCGCA
TCCAGCTGGAGCTGAACCAAGTCAAGTCTGAGATCGACAGGAAGATTGCTGAGAAGGATGAGGAGATCGA
CCAGCTGAAGAGAAAACCATTCGAGTCGTGGAGACGATGCAGAGCACGCTGGACCCGAGATCAGGAGC
AGGAACGACGCTCTGAGAGTCAAGAAGAAGATGGAGGGCGACCTCAATGAGATGGAAATCCAGCTGAACC
ACGCCAACCGCTTGGCTGCCGAGAGCTTGAGGAACTACAGGAACACCCAAGGCATCTCAAGGACACCCA
GTTGCACCTGGATGACGCTCTCCGGGGCAGGAGGACCTGAAGGAGCAGTTGGCGATCGTGGAGCGCAGA
GCCAACCTGCTGCAGGCTGAGATCGAGGAGCTGCGGGCCACTCTGGAGCAGACGGAGAGGAGCAGGAAGA
TTGCAGAGCAGGAGCTGCTGGACGCCAGTGAAGCGGTGCAGCTCTCCACCCAGAACACGAGCCTCAT
CAACACCAAAAAGAAGTTGGAAAATGATGTTTACAGCTGCAGAGTGAAGTGGAGGAAGTAAATCAAGAG
TCACGCAATGCAGAAGAGAAGGCCAAGAAGGCCATTACTGACGCCCATGATGGCGGAGGAGCTGAAGA

AGGAGCAGGACACCAGCGCCACCTGGAGCGGATGAAGAAGAACCTGGAGCAGACGGTGAAGGACCTGCA
GCACCGTCTGGACGAGGCTGAGCAGCTGGCGCTGAAGGGCGGCAAGAAGCAGATCCAGAACTGGAGGCC
AGGGTACGTGAACCTGAAGGAGAGGTTGAGAATGAACAGAAACGTAATGCTGAGGCCGTTAAAGGGTTAA
GGAAGCACGAAAGAAGAGTAAAGGAACTTACCTACCAGACCGAGGAGGACCGCAAGAACGTGCTGAGGCT
GCAGGACCTGGTGGATAAATTACAGGCGAAGGTGAAATCTTACAAGAGACAAGCAGAGGAGGCTGAGGAA
CAATCCAACGTCAACCTGGCCAAGTTCGCAAGCTGCAGCACGAGCTGGAGGAAGCCGAGGAGCGGGCAG
ACATCGCCGAGTCCCAGGTCAACAAGCTGCGGGTGAAGAGCCGCGAGGTTACACCAAAATCAGTGCAGA
GTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001100485
Insert Size:	5814 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_001100485.1</u> , <u>NP_001093955.1</u>
RefSeq Size:	6026 bp
RefSeq ORF:	5814 bp
Locus ID:	252942
Cytogenetics:	10q24
Gene Summary:	heavy chain of myosin; involved in muscle contraction [RGD, Feb 2006]