

Product datasheet for **RN217716**

Myh11 (NM_001170600) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myh11 (NM_001170600) Rat Untagged Clone
Tag: Tag Free
Symbol: Myh11
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN217716 representing NM_001170600
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCACAGAAAGGGCAGCTCAGTGATGATGAGAAGTTCCTCTTTGTGGATAAAAACTTCATAAACAGCC
 CAATGGCCCAGGCCGACTGGGTAGCCAAGAAGCTAGTATGGGTCCCTTCAGAGAAGCAGGGCTTCGAAGC
 AGCCAGCATCAAGGAGGAGAAGGGCGATGAGGTGTTGTAGAGCTGGTGGAAAACGAAAGAAGGTCACA
 GTGGGCAAAGATGACATCCAAAAATGAACCCGCCCAAGTTCTCCAAGGTGGAAGACATGGCCGAGCTGA
 CATGCCTCAATGAGGCTTCTGTGCTGCACAACCTGAGGGAGCGGTAATCTCAGGCCTCATCTACACCTA
 CTCGGGCCTCTTCTGTGTGGTGGTCAACCCCTACAAGCACCTACCCATCTACTCAGAAAAGATTGTGGAC
 ATGTACAAGGGCAAGAAGAGGCATGAGATGCCGCCTCACATCTATGCCATTGCTGATACGGCCTACAGAA
 GCATGCTACAAGATCGTGAAGACCAGTCCATTCTGTGCACAGGTGAGTCTGGAGCTGAAAGACAGAGAA
 CACAAAGAAAGTCATACAGTATTTGGCTGTGGTGGCATCCTCCCAAAAGGCAAGAAAGACAGCAGCATC
 ACGGGGGAGCTGAAAAGCAGCTTCTACAGGCAAACCAATCCTGGAGGCTTTCGGCAATGCAAAAAGCTG
 TCAAGAATGACAACCTCCTCCGCTTTGGCAAGTTCATTTCGCATCAACTTTGATGTCAGTGGTTACATTGT
 GGGTGCCAATATCGAAACATATCTTCTGAAAAGTCTCGGGCTATTCGACAGGCTAGGGACGAGAGAAGC
 TTCACATCTTCTACTATCTGATCGCTGGAGCCAAGGAGAAGATGAGAAATGACCTACTTTTGGAGAGCT
 TCAACAGCTACACATTTTATCCAATGGCTTTGTGCCATCCCAGCTGCACAAGATGATGAGATGTTCCA
 GGAGACTAGAGGCCATGTCCATCATGGGCTTCAGTGAAGAGGAACAGCTAGCCATCTTGAAGGTAGTA
 TCATCCGTCCTTCAGCTTGGAAACATTGTCTTCAAGAAGGAGCGAAACACAGACCAGGCATCCATGCCTG
 ATAACACAGCTGCTCAGAAAGTTTGCCACCTTGTGGGGATTAATGTGACAGATTTACCAGAGCCATCCT
 GACCCACGTATAAAAGTTGGACGGGATGTGGTGCAGAAAGCTCAGACCAAAAGAACAGGCTGACTTTGCC
 ATTGAGGCTTAGCCAAGGCCACCTATGAGCGCCTTTCCGATGGATTCTCAGCCGTGTGAACAAAGCCT
 TGGATAAGACCCATCGTCAAGGGGCTCCTTCTGGGCATTCTGGATATTGCTGGGTTTGAATCTTTGA
 GGTAAACTCCTTCGAGCAGCTGTGCATCAACTACCAATGAGAAGTTGCAGCAGCTGTTCAATCACACC
 ATGTTTCATCCTGGAGCAGGAAGAGTACCAACGAGAGGGCATCGAGTGGAACTTCATCGACTTTGGCCTGG
 ACCTACAGCCTTGTATTGAACTGATTGAGCGGCCGAACAACCTCCTGGTGTGCTGGCCTGCTGGATGA
 AGAATGCTGGTCCCAAAGCTACGGACAAGTCTTTTGTGGAGAAGCTGTGCTCAGAGCAGGGCAATCAC



[View online »](#)

CCCAAATTCAGAAGCCCAAGCAGCTAAAGGACAAAACAGAGTTCTCCATCATCCACTATGCTGGGAAGG
 TGGACTATAATGCAAGTGCCTGGCTGACCAAGAACATGGACCCGCTAAATGATAATGTGACCTCACTCCT
 CAATGCCTCCTCGGACAAGTTTGTGGCCGACCTGTGGAAGGATGTGGACCGCATTGTGGGGTTGGACCAG
 ATGGCCAAGATGACTGAGAGCTCACTGCCAGTGCCTCCAAGACAAAAGGGCATGTTCCGCACCGTGG
 GCCAGCTCTACAAAGAGCAGCTGGGGAAGCTGATGACCACACTGCGCAACACCACGCCTAACTTTGTGCG
 CTGCATCATCCCCAACCATGAAAAGAGGTCTGGCAAGCTGGATGCATTTCTAGTTCTGGAGCAGCTGCGG
 TGCAATGGTGTGTTGGAAGGCATCCGCATCTGCCGTGAGGCTTCCCCAACAGGATTGTCTTCCAAGAT
 TCCGGCAACGCTACGAGATCCTGGCAGCGAACGCCATCCCCAAAGGCTTCATGGACGGAAGCAAGCCTG
 CATTCTCATGATCAAAGCCCTTGAACCTGACCCCAATCTGTACAGGATTGGGCAGAGCAAAATCTTCTTT
 CGTACGGGAGTCTGGCCACCTAGAGGAAGAACGAGACCTGAAGATTACTGATGTCATCATGGCTTTCC
 AGGCAATGTGTCGTGGCTACCTGGCCAGAAAAGCCTTACCAAGAGGCAGCAACAGTTAACAGCCATGAA
 GGTGATCCAGAGGAACTGCGCTGCCTACCTTAAGCTCCGCAACTGGCAATGGTGGAGGCTTCTACTAAA
 GTAAGCCGCTGCTCCAGGTGACCGGCAGGAGGAGATGCAGGCCAAGGAGGAGGATGCAGAAGA
 TCAAGGAGCGGCAGCAGAAGGCAGAGTCTGAGCTGAAGGAGCTGGAGCAAAGACACACTCAGCTGGCTGA
 GGAGAAGACCCTGCTGCAGGAGCAGTTGCAGGCAGAGACAGAGCTGTATGCTGAGGCTGAAGAGATGCGG
 GTCGCTTGGCAGCGAAGAAGCAGGAGCTAGAGGAGATCCTCCATGAGATGGAGGCCCGCTTGGAGGAGG
 AGGAGGACCGGAGCCAACAACCTGCAAGGCTGAGAGGAAGAAGATGGCTCAGCAGATGCTGGACCTGGAGGA
 GCAACTGGAGGAGGAAGAAGCTGCCAGACAGAACTACAGCTAGAGAAGGTACAGCTGAGGCCAAGATC
 AAGAACTGGAGGATGACATCTTGGTTATGGATGACCAGAACAATAAGCTTTCAAAAGAAAAGAAAACCTC
 TTGAAGAGAGGGTCAGCGACTTGACAACCAACCTAGCAGAAGAGGAAGAAAAGGCTAAAAACCTCACAAA
 ACTAAAGAGCAAGCATGAGTCCATGATCTCAGAGCTAGAGGTGAGGCTGAAGAAAGAGGAGAAGAGCCGG
 CAGGAGCTGGAGAACTCAAGAGGAACTGGAGGGTGTGCCAGTGACTCCACGAGCAGATCGCTGACC
 TGCAGGCCAGATTGCAGAGCTCAAGATGCAGCTGGCAAAGAAAGAGGAAGAGCTACAGGCAGCTATAGC
 CAGGCTCGATGAAGAGATCACCCAGAAAACAATGCCCTAAAGAAGATTGAGAGCTGGAGGGCCATGTC
 TCAGACCTACAGGAGGACCTGGACTCAGAGCGAGCTGCTAGGAACAAGGCTGAGAAAACAGAGCGAGACC
 TGGGGGAGGAACTGGAGGCGCTCAAGACAGAGCTGGAAGATACACTGGACAGCACAGCTACCCAGCAGGA
 GCTCAGAGCCAAGAGGGAACAGGAAGTGACAATGCTGAAGAAGGCCCTGGATGAAGAGACCGCATCCCAT
 GAGGCCAGGTCCAGGAGATGAGGCAGAAACACACAGGCAGTGGAGGAACTCACAGAGCAGCTGGAAC
 AGTTCAAAGGGCCAAGGCAAACCTGGATAAAAGCAAGCAGACGCTGGAGAAGGAGAACGCAGACCTGGC
 TGGGGAGCTGCGTGTCTGGCCAGGCAAAGCAGGAGGTAGAGCACAAGAAGAAGAGCTGGAGGGGCAG
 CTGAGGAGCTGCAGTCCAAGTGCAGTGTGGGGAGCGTCCCGGACTGAGCTCAGTGACAAGGTCCACA
 AACTACAGAATGAAGTGGAGAGTGTACAGGCATGCTCAATGAGGCAGAAGGCAAGGCCATTAACCTGGC
 CAAGGAAGTGGCTTCCCTTGGATCTCAACTTCAGGACACCCAAGAGCTGCTTCAAGAAGAAAACCCGGCAG
 AAGCTCAATGTGTCCACCAAGCTGCGCCAGTTGGAAGATGAGAGGAACAGCCTGCAGGACCAGCTGGATG
 AGGAGATGGAAGCTAAGCAAAACCTTGAAGGCCATGTCTCCACCTTGAACATTAGCTCTCAGACTCTAA
 GAAGAAGTGCAGGACCTTGAAGCACTATTGAGGTGATGGAGGAGGGGAAGAAGAGGTTGCAGAAAAGAG
 ATGGAGGGTCTCGGCCAGCAGTATGAGGAGAAGGCCGCTGCCTATGACAACTGGAGAAAACCTAAGAACA
 GGCTTCAGCAGGAGCTAGATGACTTGGTCGTGGACTTGGACAACCAGCGGCAACTGGTATCCAATCTGGA
 AAAGAAGCAGAAGAAAATTCGATCAGTTGTTAGCTGAGGAAAAGAACAATCTCTCCAAGTATGCGGATGAG
 AGAGACCGAGCTGAAGCAGAGGCCAGGAAAAGGAAACGAAGGCTTTGTCTCTGGCCCGGCCCTGGAGG
 AAGCCCTGGAAGCCAAAGAGGAACTGGAAGGACCAACAAGATGCTCAAGGCCGAGATGGAAGACCTGGT
 CAGCTCCAAGGATGACGTGGGCAAGAATGTGCACGAGCTGGAGAAGTCCAACGAGCCCTGGAGACCCAG
 ATGGAAGAGATGAGAAGCTCAGCTAGAGGAGCTGGAGGACGAGCTGCAGGCCACTGAAGACGCCAAGCTGC
 GGCTGGAGGTCAACATGCAGGCCCTCAAGGGCCAGTTTGAACGAGATCTCCAGGCTCGGGATGAGCAGAA
 TGAGGAGAAGAGGAGGCAGCTACAGCGGCAGCTGCATGAGTATGAGACAGAAGTGAAGATGAACGGAAG
 CAAAGGGCTCTGGCGGCAGCAGCCAAGAAGAAGCTGGAAGGGATCTGAAAGACCTGGAAGTCCAGGCTG
 ACTCAGCCGTCAAAGGGAGGGAGGAAGCCATCAAGCAGCTTCGAAAACCTGAGGCTCAGATGAAGGACTT
 CCAAGAGAGCTGGATGATGCCCGTGCCTCCAGAGATGAGATCTTGGCCACTCAAAGAGAATGAGAAG
 AAAGCCAAGAGTCTGGAGGCAGAGCTCATGACGCTCCAGGAGGACCTGGCAGCAGCTGAGAGAGCTCGCA
 AGCAAGCTGACCTGGAGAAGGAGGAGCTGGCTGAGGAGCTGGCTAGCAGCTTATCAGGAAGGAATACACT
 GCAGGATGAGAAGCGCCGCTGGAGGCAAGGATCGCCAGCTGGAGGAGGAGCTGGAGGAAGAGCAGGGC
 AACATGGAGGCCATGAGTGACAGAGTCCGCAAGGCCACATTGCAGGCTGAGCAACTGAGCAATGAGCTGG

TCACTGAGCGCAGTGCAGCTCAGAAGAATGAGAGTGCACGGCAACAGCTGGAGCGCCAGAACAAGGAACT
 CCGAAGCAAGTTGCAGGAGGTAGAAGGTGCTGTCAAAGCCAAGCTTAAGTCCACTGTTGCGGCACTAGAG
 GCCAAGATTGTGCAGCTGGAGGAGCAGATTGAACAAGAGGCCAGAGAAAAACAGGCAGCCACCAAGTTGC
 TGAAGCAAAGGACAAGAAGCTAAAGGAGGTCTACTGCAGGTGGAGGATGAGCGCAAGATGGTGGAGCA
 GTACAAGGAGCAGGCAGAGAAAGAAACACCAAGGTCAAGCAGCTCAAGAGGCAGCTGGAAGAGGCCGAG
 GAGGAATCCCAGCGCATCAATGCCAACCCGAGGAAGCTGCAGCGGGAGCTGGATGAGGCCACTGAGAGCA
 ATGAGGCCATGGGCCGTGAGGTGAATGCCCTCAAGAGCAAACCTCAGGAGAGGAAACGAGGCTTCATTTGT
 TCCTTCCAGAAGGCTGGAGGCCGTAGAGTTATTGAAAACACAGATGGTTCTGAAGAAGAAATGGATGCT
 CGGGACTCAGACTTCAATGGAACCAAAGCCAGTGAATAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001170600
- Insert Size:** 5919 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:**
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_001170600.1](#), [NP_001164071.1](#)
- RefSeq Size:** 6555 bp
- RefSeq ORF:** 5919 bp
- Locus ID:** 24582
- Cytogenetics:** 10q11
- Gene Summary:** transcription decreases following transformation with mutant p53 [RGD, Feb 2006]