

## Product datasheet for **MC225065**

### Myh6 (NM\_001164171) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Myh6 (NM\_001164171) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Myh6  
**Synonyms:** A830009F23Rik; AA517445; alpha-MHC; Myhc-a; Myhca  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225065 representing NM\_001164171  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACGGACGCCAGATGGCTGACTTCGGGGCAGCAGCCAGTACCTCCGAAAGTCAGAGAAGGAACGCC  
 TAGAGGCCAGACCCGGCCCTTTGACATCCGCACGGAGTGCTTCGTGCCTGATGACAAGGAGGAGTATGT  
 TAAGGCCAAGGTGCTGTCCCGGAAGGGGGCAAAGTCACTGCGGAAACTGAAAACGGAAAGACGGTGACC  
 ATAAAGGAGGACCAGGTGATGCAGCAGAACCCACCCAAGTTCGACAAGATCGAGGACATGGCCATGCTGA  
 CCTTCCTGCACGACGCCGGCTGTGCTGTACAACCTCAAGGAGCGCTACGCGGCCTGGATGATCTATACCTA  
 CTCAGGCCTCTTCTGCGTCACCGTCAACCCCTATAAGTGGCTGCCTGTGTACAATGCGGAAGTGGTGGCC  
 GCCTACCGGGGCAAGAAGAGGAGCGAGGCCCTCCTCACATCTTCTCCATCTCTGACAACGCCTATCAGT  
 ACATGCTGACAGATCGGGAGAATCAGTCCATCCTCATCACCGGAGAATCCGGAGCGGGGAAGACTGTGAA  
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 CCAAGACTGTCCGAATGACAACCTCCTCCCGCTTTGGGAAATTCATCAGGATCCACTTTGGAGCTACTGG  
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TCGGCATGGACCTGCAGGCCTGCATCGACCTCATCGAGAAGCCCATGGGCATCATGTCCATCCTCGAGGA  
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 TCCAACAACCTCCAGAAGCCTCGCAATGTCAAGGGGAAGCAGGAAGCCACTTCTCCTTGGTCCACTATG  
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 GGTGACAGTGGTAAAGGCAAAGGAGGCAAGAAGAAAGGCTCATCCTTCCAACAGTGTCTGCTCTCCACC  
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 GGAGCAGATCATCAAGGCCAAGGCCAACCTGGAGAAAGTGTCCCGGACACTGGAGGACCAGGCCAATGAG  
 TACCGCGTGAAGCTGGAAGAAGCCAGCGCTCCCTCAATGACTTCACCACACAGCGAGCCAAAGCTGCAGA  
 CAGAGAACGGGGAGTTGGCTAGGCAACTGGAAGAAAAGGAGGCATTGATTTCCAGCTGACCCGAGGCCAA  
 GCTCTCTACACCCAGCAGATGGAGGACCTCAAGAGGCAACTGGAGGAGGAAGGCCAAGGCCAAGAAGCC  
 CTGGCCCCAGCACTGCAATCATCCCGCATGACTGTGACCTGCTGAGGGAACAGTATGAAGAAGAAATGG  
 AGGCCAAGGCTGAGCTACAGCGTGTCTGTCCAAGGCCAACTCAGAGGTGGCCAGTGGAGGACCAAGTA  
 TGAGACGGATGCCATACAGAGGACGGAGGAGCTGGAGGAAGCCAAGAAGAAGCTGGCTCAGAGGCTGCAG  
 GATGCAGAGGAGGCAGTGGAGGCCGTCAACGCCAAGTGTTCCTCCCTGGAGAAGACCAAGCACAGGCTGC  
 AGAATGAGATCGAGGACCTGATGGTGGACGTGGAGCGCTCCAATGCCCGCCGCGAGCCCTGGACAAGAA  
 GCAGAGGAACCTTTGACAAGATCCTGGCTGAGTGAAGCAGAAGTATGAGGAGTCGAGTCAGAGCTGGAG  
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 GCTGGGAGAAGGGGGGAAAAACGTGCACAGCTGGAGAAGATCCGCAAACAGCTGGAGGTGGAGAAGCTG  
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 AGCTGGAGTTCAACCAGATCAAGGCAGAGATCGAAAGGAAGCTGGCAGAGAAGGATGAGGAGATGGAGCA  
 GGCCAAGCGCAACCACCTGCGGATGGTGGACTCCCTGCAGACCTCCCTGGATGCGGAGACACGCAGCCGC  
 AATGAGGCCCTGCGGGTGAAGAAGAAGATGGAGGGCGACCTCAACGAGATGGAGATCCAGCTCAGCCAGG  
 CCAATAGAATAGCCTCAGAGGCACAGAAACACCTGAAGAATTCTCAAGCTCACTTGAAGGACACCCAGCT  
 CCAGCTGGATGATGCTGTCCATGCCAATGACGACCTGAAGGAGAACATCGCCATCGTGAACGGCGCAAC  
 AACCTGCTGCAGGCGGAGCTGGAGGAGCTGCGGGCTGTGGTGGAGCAGACGGAGCGGTCTCGGAAGCTGG  
 CAGAGCAGGAGCTGATTGAGACCAGCGAGCGGGTGCAGCTGCTGCACTCGAGAACCAGCCTCATCAA

CCAGAAGAAGAAGATGGAGTCAGACCTGACCCAACTCCAGACAGAAGTAGAGGAGGCAGTGCAGGAGTGT  
AGGAACGCAGAGGAGAAGGCCAAGAAGGCCATCACAGATGCCGCAATGATGGCTGAGGAGCTGAAGAAGG  
AGCAGGACACCAGCGCCACCTGGAGCGCATGAAGAAGAACATGGAGCAGACCATCAAGGACTTGCAGCA  
CCGTCTGGACGAGGCAGAGCAGATCGCCCTCAAGGGCGGCAAGAAGCAGCTGCAGAAGCTGGAGGCCGG  
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AGAGCGAGCGGCATCAAGGAGCTCACCTACCAGACAGAGGAAGACAAGAAGAATTAATGCGGCTGCA  
GGACCTGGTGGACAAGCTACAGTTGAAGGTGAAGGCCTACAAGCGCCAGGCTGAGGAGCGGAGGAGCAG  
GCCAACCAACCTGTCCAAGTTCGCAAGGTGCAGCAGAGCTGGATGAGGCGGAGGAGGGCGGACA  
TCGCCGAGTCCCAGGTCAACAAGCTGCGGGCCAAGAGCCGGGACATTGGTGCCAAGAAGATGCACGACGA  
GGAATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-MluI
<b>ACCN:</b>	NM_001164171
<b>Insert Size:</b>	5817 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001164171.1</a></u> , <u><a href="#">NP_001157643.1</a></u>
<b>RefSeq Size:</b>	6079 bp
<b>RefSeq ORF:</b>	5817 bp
<b>Locus ID:</b>	17888
<b>UniProt ID:</b>	<u><a href="#">Q02566</a></u>
<b>Cytogenetics:</b>	14 28.01 cM
<b>Gene Summary:</b>	Muscle contraction.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longer transcript. Both variants encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.