

Product datasheet for **MC225064**

Myh6 (NM_010856) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Myh6 (NM_010856) 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: >MC225064 representing NM_010856
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGGACGCCAGATGGCTGACTTCGGGGCAGCAGCCAGTACCTCCGAAAGTCAGAGAAGGAACGCC
 TAGAGGCCAGACCCGGCCCTTTGACATCCGCACGGAGTGCTTCGTGCCTGATGACAAGGAGGAGTATGT
 TAAGGCCAAGGTGCTGTCCCGGAAGGGGGCAAAGTCACTGCGGAAACTGAAAACGGAAAGACGGTGACC
 ATAAAGGAGGACCAGGTGATGCAGCAGAACCCACCAAGTTCGACAAGATCGAGGACATGGCCATGCTGA
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TCGGCATGGACCTGCAGGCTGCATCGACCTCATCGAGAAGCCATGGGCATCATGTCCATCCTCGAGGA
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 CCGTCTGGACGAGGCAGAGCAGATCGCCCTCAAGGGCGGCAAGAAGCAGCTGCAGAAGCTGGAGGCCCGG
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 AGAGCGAGCGGCATCAAGGAGCTCACCTACCAGACAGAGGAAGACAAGAAGAATTAATGCGGCTGCA
 GGACCTGGTGGACAAGCTACAGTTGAAGGTGAAGGCCTACAAGCGCCAGGCTGAGGAGCGGAGGAGCAG
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_010856
- Insert Size:** 5817 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:**
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_010856.4](#), [NP_034986.1](#)
- RefSeq Size:** 6015 bp
- RefSeq ORF:** 5817 bp
- Locus ID:** 17888
- UniProt ID:** [Q02566](#)
- Cytogenetics:** 14 28.01 cM
- Gene Summary:** Muscle contraction.[UniProtKB/Swiss-Prot Function]
 Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. 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.