

## Product datasheet for **MC225068**

### Myh13 (NM\_001081250) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Myh13 (NM\_001081250) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Myh13  
**Synonyms:** MyHC-eo  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC225068 representing NM\_001081250  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGAGTTCAGACGCAGAGATGGCCATATTTGGAGAAGCCGCTCCCTACCTCCGAAAACCAGAGAAGGAGA  
GGATCGAGGCTCAGAACCGCCATTTCGACTCGAAGAAAGCCTGCTTTGCTGTGGATGATAAAGAAATGTA  
CGTGAAAGGCATGATCCAAGCAGGGAAAATGACAAAGTCATTGTCAAGACCCTAGACGACCGGGAGCTC  
ACTCTGAACAGTGACCAAGTCTTCCCATGAACCCCTAAGTTTGACAAGATCGAGGACATGGCCATGA  
TGACCCACCTGCACGAGCCCGCTGTGCTGTACAATCTCAAAGAGCGTTATGCAGCCTGGATGATCTATAC  
CTACTCAGGCCTCTTCTGTGCACCGTCAACCCCTACAAGTGGCTGCCGGTGTACAACCCCTGAGGTGGTG  
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ACGCCAAGACCGTGAGGAACGACAACCTCCAGATTTGGGAAGTTCATTCCGATCCACTTTGGAGCCAC  
AGGGAAGCTAGCATCAGCGGACATCGAAACCTATCTCCTGGAAAATCCAGAGTGACATTCCAGTTATCC  
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CAGGTGACCAACTCAGTGGTGCCTGGCCAAGGCTGTCTATGAGAAGATGTTCTATGGATGGTACCC  
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TTCAACCACCATGTTCTGCTGGAGCAGGAGGAGTACAAGAAGGAAGGCATCGAGTGGGAGTTTCATTG



ACTTCGGGATGGACCTGGCGGCCTGCATCGAGCTCATTGAGAAGCCAATGGGCATCTTCTCCATCCTGGA  
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 AAGTCCAACAACCTCCAGAAGCCTAAACCACCAAGGCCAAGGCCAAGCCACTTCTCCCTGGTGCCT  
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 GGTGGGGCTGTACCAGAAGTCTCCCTGAAGTTGTTGCTTCTCTTTTCCAACACGAGGAGCAGAA  
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 CAACATTGAAACAGTCTCCAAGTCAAAGAGTAACATGGAAGAATGTGCCGGTCTGTGGAAGACCAATTT  
 AACGAAATCAAAGCCAAGGATGACCAACAGACCCAGTTAATCCACGATCTGAACATGCAGAAGGCAAGGC  
 TGCAGACCCAGAAATGGCGAGCTGAGCCACCAAGTCAAGAGAAGGAGTCTCTGGTTTACAGCTCACCAA  
 AAGCAAGCAGGCCCTCACCCAGCAGCTGGAGGAGCTTAAGAGGCAACTGGAGGAAGAAAACCAAGGCCAAG  
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 AGCAGGAAGGCAAAGCCGAGCTGCAGAGGGCACTGTCCAAGGCCAACAGCGAGGTGGCCAGTGGAGGAC  
 AAAATATGAGACGGATGCCATCCAGCGCACAGAGGAGCTGGAGGAGGCCAAGAAAAGCTGGCTCAGAGG  
 CTCAGGAGGCAGAGGAAAACACCGAGGCATCCAACCTCAAGTGTGCCTCCCTGGAGAAAACCAAGCAGA  
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 AGGTGGTGGATCAGTTAGAGACTGAGACGGGAGAATAAAAACCTGCAAGAGGAGATTTCTGACTTAAC  
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 AGCCGCAATGACGCCCTGAGACTGAAGAAGAAGATGGAGGGTGTCTCAACGAGATGGAGATTGAGCTGA  
 GCCATGCCAACCCAGGTGGCAGAGACCCAGAAAACACTTGCAGCAGGTCCAAGGCCAGCTTAAGGATTC  
 CCAGCTGCACCTGGACGATGCCAGAGAAGTAACGAGGACCTCAAGGAGCAGCTAGCCATTTGTGGAGCGC  
 AGGAATGGCCCTGTCAGGAGGAGCTGGAGGAAATGAAGGTGGCCCTGGAGCAGACAGAGCGGACCCGCA  
 GGCTGTGACAGCAGGAGCTGCTGGACTCCAGTACCCTGTCCAGTGTCCATTCACAGAACACGAGCCT

GATAAATACCAAGAAAAAAGTAGAGGCCGACTTGGCTCAATGCCAGGCAGAAAGTGGAGAAGTCCATCCAG  
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 AGAAGGAGCAGGACACCAGCGCCACCTGGAGAGGATGAAGAAGAACCTGGAGCAGACGGTGAAGGACCT  
 GCAGCACCGTCTGGATGAGGCTGAGCAGCTGGCGCTGAAGGGCGGCAAGAAGCAGATCCAGAACTGGAG  
 GCCAGGGTGC GGAGTTGGAAAGCGAGCTGGATGCTGAGCAGAAGAGAGGAGCTGAAGCTCTGAAGGGAG  
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 GAGCAAGCCAACACACAGCTATCCAGGTGCCGGAGGGTCCAGCACGAGCTAGAGGAGGCTGAGGAGAGGG  
 CAGACATCGTGTAGTCTCAAGTCAACAAGCTAAGGGCCAAGAGCCGTGATGTGGGAGGCCAGAAGATGGA  
 AGAATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001081250
- 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\\_001081250.1](#), [NP\\_001074719.1](#)
- RefSeq Size:** 5817 bp
- RefSeq ORF:** 5817 bp
- Locus ID:** 544791
- Cytogenetics:** 11 40.85 cM