

## Product datasheet for **MC200885**

### Myohd1 (BC007156) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myohd1 (BC007156) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myohd1
Synonyms:	1110055A02Rik; Myohd1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC007156  
 GAAAACCCGTGTGGCCTGTCAGGCCTCCAGTGAGAGGAACTTTCACATCTTCTACCAGATTTGCAAAGGA  
 GCCACCAAGGATGAAAGGCTCCAATGGCACCTCCCTGAGGGAAGTGCCTTCTCCTGGCTACCCAATCCAG  
 AAAGCAGTTTGGAAAGAGGATTGTTTCGAGGTGACCAGAGAGGCCATGCTCCATTTGGGCATCGACACCCC  
 CACCCAGAACAACATCTTTAAGTCTAGCTGGACTGCTGCACCTTGGCAATGTCATTTTGTGACTCA  
 GAGGATGAAGCCCTGCCCTGCCAAGTGATGGATGATACCAAGGTCTCTGTGAGGACCTCAGCCTTGTGCT  
 TGCAGTCCCAGAGAAAATGCTGCTGGAGAGTATGCAGATTGCAACCATCAAGGCAGGCAAGCAGCAGCA  
 GGTGTTCCAGAAGCCCTGCTCCCGAGCCTAGTGTGACACACGCAGAGACTGTCTGGCCAAACTGATCTAT  
 GCACGGCTGTTCCGACTGGCTGGTGTCTGTGATCAACAGCAGCATCTGTGCAGACTCCAAATCATGGACTG  
 CCTTCATAGGGCTGCTAGATGTGTATGGGTTTGTAGTCATTTCTAATAACAGTTTGAACAGCTGTGCAT  
 CAACTATGCCAATGAGAAGCTACAGCAGCACTTCGTGGCTCACTACCTCAGGGCCAGCAGGAGGAGTAC  
 GAAGTTGAGGGCCTGGAGTGGTCATTTGTCAACTACCAGGACAACCAGACCTGCTTAGATCTCCTTGAAG  
 GGAGCCCCATCAGCATCTGTTCCCTCATAAATGAGGAATGCCGCCTTAACCGCCAAGCAGTGCAGCACA  
 ACTACAGACGCGCATCGAGAGCAGCTGGCAGGACGGCCCTGCCCTGGCCATAACAAGCTCAGCCGGGAG  
 CCCAGCTTCGTGGTTGTGCAATTCGCGGGACCTGTACGGTACCACACAGCCGGCCTGGTGGAAAAGAACA  
 AGGACCCTGTTCCCCCTGAGCTGACTGAGCTCCTGCAGCAATCCCAAGACCCCTGCTCAGCATGTGTT  
 TCCTGCCAACCCCTGAAGAGAAGACCCAGGAGGAGCTGTCTGGCCAGAGCCGGGCTCCTGCATTGACTGTG  
 GTGTCCAAGTTCAAGGCCTCACTGGAACAGCTCCTGCAGGTCTACATAATAACAACCCCACTACATTC  
 GCTGCATCAAGCCCAACAGCCAGAGTCAAGCCACAGACTTTCCTCCAAGAAGAGGTCTGAACCAGTTAGA  
 GGCCTGTGGCCTTGTGGAAACCATTACATCAGTGTCTGTGGCTTCCCATCCGGGTCTCTCACCAGAAC  
 TTCATAGAAAGATATAAACTACTGAGAAGGCTCGGACCTCGCATGTCTCTGGCCTCGGGGGCCTGGAGC  
 CTGCCGAAGGGTCTCTGAGCAGCCTCTGTGTGCCAAGGAGGCCACACTGCAACCTCTACTACAGGACAT  
 TCTCCATGCTCTGCCAGCTTTAATTCAGACAGCAGCCACTCCCAGTGACCCGGCTAAGAACACACAATC  
 CCATGTACTGTGGCAGGACAAAAGATCTTCATGACTGACTCCATGCTAGAGCTTCTGGAATGTGGCGGTG  
 CCCAGATGCTGGAGCAGTGTGCCGTTGCATCCAGTGTGGCTGGAGGCGACACCGGCTCCAAAAGCAGGA  
 GAAACAGAGGCGGGCTGCCGTGCTCATCCAGGCTGCTTTTAGGTCTGGTTAACTCGGAAACACATCAGA  
 AGGTTACACATAGCTGCCACGGTCATCAAGCACGCATGGCATAAGTGGAGAATCAGAATGGCCTGTCTTG  
 CCTCTAAAGAACTGGATGGTATGGAGGAGAAACCCATGCCTCAGGCTCCTGGTACCCTGCGGTCTCGAT  
 GTCCCCAGCACACTAGGTTCCCTGGGAGCAATAATCCATCTCTGGCCCTGGGACTGGTGTAGCCAAC  
 TCAGTGTATGGCGTACGTGGCTTTCAGAGGAACTGGTAGCCCATGCCTGCCTTCGGCTTCCCTCAGACA  
 GACCCAGCAACAAGTCCAGACACCACAACAGGATCAGGCTGGTATTACATCTATCAGAGCACTGCCCA  
 GGGCTCGATAAAGTTTCACTGCAGGAAGTCTCCACTTCAGTATGCTGACATCTGCCCTGACCCCTCAGCC  
 TCCTGTGTTACTGGCTTTAATCAGATTCTGCTAGAAAGCCACAGGCCAGTCCAAGTGTGACTCTTCTACC  
 CCCACCTGCCTGAGTGATCTTTAGTGCCTTTGTTTCCACAAGGCCTTTTCCCTGCCAGCTGTCTTGCCAAA  
 GACATTAGATCCACACGCAAGTGCCAAGCTATTTCCACGGCGACTCCAAGTGCAGTGCAGCAAAATTC  
 CAGCCTGAGCCAGGGCTTCATGGCCAGAGTCCAGCCTTCCAGGGCTGTGGCTTCCAGCACTGGCAGGATC  
 TGGGGGTGCTGGGTACCAAGCCAGGATTAGGGCCACAACATCCCAGCTTAGTATCTTTGTGCTCAAGCTC  
 CATCCAGAATGTTGCTACTACAGCAAGATGGATACTGGCCATCCACAAGCACTTTAAAAGGGCCAAGTC  
 ACCCTAAAATTGCCTCTAGAATTTTGGCTGGGGGAGAAGTTGCATATAGTTTACTAAGGGAACAATAATA  
 TTTAATAAACTGATTTATTTAATGTTACCAAGAACAATGAACAATGCAGCATCAAGAGAACCACACCTTA  
 AATTGTTACACTATGTTTTAATCAAATGGATATACTTGGTATTTATGATGCAACTCTGAACTGTACAA  
 GAAATAAAATTTAGAACCATCTAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** BC007156  
**Insert Size:** 1188 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>	<a href="#">BC007156</a> , <a href="#">AAH07156</a>
<b>RefSeq Size:</b>	2856 bp
<b>RefSeq ORF:</b>	1188 bp
<b>Locus ID:</b>	66196
<b>Cytogenetics:</b>	11 C
<b>Gene Summary:</b>	Actin-based motor molecule with ATPase activity that localizes to the mitochondrion outer membrane (PubMed:24825904). Motor protein that moves towards the plus-end of actin filaments (PubMed:24825904). Required for mitochondrial inheritance during mitosis (By similarity). May be involved in mitochondrial transport or positioning (By similarity). [UniProtKB/Swiss-Prot Function]