

## Product datasheet for RN207155

### Myh10 (NM\_031520) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myh10 (NM_031520) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Myh10
Synonyms:	MCH-B; NMMHC-B; SMemb
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN207155 representing NM_031520 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCCAGAACTGGACTGGAGGATCCCGAGAGGTATCTCTTTGTGGACAGGGCTGTCATCTACAACC  
CTGCCACTCAAGCTGACTGGACAGCTAAAAGCTGGTGTGGATCCATCTGAACGCCATGGTTTTGAGGC  
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GTCAACAAAGATGACATTCAGAAGATGAACCCGCCGAAGTTCTCCAAGGTGGAGGACATGGCAGAGCTCA  
CGTGCTTGAACGAAGCCTCTGTTTTACACAATCTGAAGGATCGCTACTATTCAGGACTCATCTATACTTA  
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ACTTGCAGCCCTGCATCGACCTGATAGAGAGACCTGCCAATCCCCCTGGTGTGCTGGCCCTCCTGGATGA  
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 AGGAAGAGGAGGCCAGGAAGAAGTGGAAAAGCAGGTGTTGGCCCTGCAGTCCCAGCTGGCTGACACCAA  
 GAAGAAAGTGGACGATGACCTGGGGACAATTGAGGTTTGAAGAAGCCAAGAAGAACTGCTTAAGGAC  
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 GAGCTCGAAAGATGATGTGGGAAGAACGTCCACGAGCTGGAGAAGTCCAAGCGGGCCCTGGAGCAGCAG  
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 CCAGCGTGAAGTGAAGAAGCTCGAGCATCTAGAGATGAGATTTTTGCTCAATCCAAAGAAAGTGAAGAG  
 AAAGTGAAGAGTCTAGAAGCAGAAATCCTCCAGTTGCAAGAGGAGCTGGCCTCATCTGAGCGAGCCCGCA  
 GACACGCAGAGCAGGAGCGAGATGAGCTGGCTGACGAGATTGCCAACAGCGCCTCTGGGAAGTCCGCTCT

GCTGGATGAGAAGCGCGCCTGGAAGCCCGGATCGCGCAGCTGGAGGAGGAGCTAGAAGAGGAGCAGAGT  
AACATGGAGCTGCTCAATGACCGCTTCCGCAAGACCACGCTCCAGGTGGACACCCCTGAACACAGAGTTGG  
CAGCGGAGCGCAGCGCTGCCAGAAAGAGCGACAATGCCCGCCAGCAGCTGGAGCGACAAAACAAGGAGCT  
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GAGGAGGCTACACGTGCCAATGCATCTCGGCGTAAACTCCAAGGGAAGTGGATGATGCCACCGAGGCCA  
ATGAGGGCCTGAGCCGTGAGGTCAGCACTCTCAAGAACCAGCTTGGCGGGGGCGCCCAATCAGCTTTTC  
TTCAAGCCGATCTGGCCGGCCAGCTACACATTGAGGGGGCATCGCTAGAGCTGTGATGACGACACA  
GAAAGCAAGACCAGTGTCAATGAGACACAGCCACCCAGTCGGAA TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_031520
<b>Insert Size:</b>	5931 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="#">NM_031520.1</a> , <a href="#">NP_113708.1</a>
<b>RefSeq Size:</b>	7648 bp
<b>RefSeq ORF:</b>	5931 bp
<b>Locus ID:</b>	79433
<b>UniProt ID:</b>	<a href="#">Q9JLT0</a>
<b>Cytogenetics:</b>	10q24
<b>Gene Summary:</b>	nonmuscle myosin II heavy chain; produces motor activity with actin filaments; isoform B2 may play a role in neuronal cell motility [RGD, Feb 2006]