

## Product datasheet for RN211231

### Myh3 (NM\_012604) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Myh3 (NM\_012604) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Myh3  
**Synonyms:** Myhse; RNMHCG  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN211231 representing NM\_012604  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGTAGCGACCCGAGATGGAAGTGTTGGCATAGCTGCCCTTTCCTCCGAAAGTCGGAAAAGGAGA  
GGATCGAAGCTCAGAACCAGCCCTTTGATGCCAAAACCTATTGCTTTGTGGTTGACTCAAAGGAAGAATA  
TGCCAAGGGGAAAATTAAGAGTAGCCAGGATGGGAAAGTCACGGTGGAGACAGAAGACAACAGGACCTG  
GTGGTTAAACCAGAGGAGTGTATGCCATGAACCCCTCCAAGTTTGACAAGATCGAGGACATGGCCATGC  
TGACCCACCTGAACGAGCCTGCTGTGCTGTACAACCTCAAGGACCGATACACGTCCTGGATGATCTACAC  
CTATTCAGGCCTCTTCTGTGTCACCGTCAACCCCTACAAGTGGTTGCCGGTGTACACCCCTGAGGTGGTG  
GATGGCTACCGAGGCAAAAAGCGCCAGGAGGCCCGCCACATCTTCTCCATCTCTGACAACGCCTACC  
AGTTCATGCTGACGGATCGTGAGAACCAGTCCATCCTGATCACCGGAGAATCCGGGGCCGGGAAGACGGT  
GAACACCAAGCGTGTATCCAGTACTTTGCAACAATTGCAGCCACTGGGGACCTTGCCAAGAAGAAGGAC  
TCCAAAATGAAGGGGACCCTGGAAGATCAAATCATCAGCGCAACCCCTGCTGGAGGCCTTTGGGAATG  
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CAAAGCCTTGCTTTCCAGAGTGAAAGTTGGGAATGAGTACGTTACAAAAGGCCAAACTGTGGACCAG  
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TCGGGATGGACCTGGCGCCTGCATCGAGCTCATCGAGAAGCCGATGGGCATCTTCTCCATCCTGGAAGA  
GGAGTGCATGTTCCCAAGGCGACAGACACCTCCTTCAAGAACAAGCTGTATGACCAGCACCTTGGAAAA  
TCCAACAACCTCCAGAAGCCTAAGGTGGTCAAAGGCAAGGCCGAGGCCACTTCTCCCTCATCCACTATG  
CGGGCACCGTGGACTACAGTGTCTCGGGCTGGCTGGAGAAGAACAAGGACCCCTGAATGAGACCGTGGT  
GGGGCTGTACCAGAAGTCTTCCAACAGACTCCTGGCCATCTCTATGCCACCTTCGCTACGACAGATGCT  
GACGGTGGGAAGAAGAAAGTGCCTAAGAAGAAAGGCTCTTCTTCCAACAGTGTCTGCGCTGTTACAGG  
AAAATCTGAACAAGCTGATGTCCAATTTAAGAACCCTCACCCACACTTTGTGCGTGTATAAATACCCAA  
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TGGAGGAGCTGAGTGAACGTCTGGAGGAGGCGGGCGGTGTACCTCTACCCAGATTGAGCTGAACAAGAA  
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AGCCTTTACCCAACAGATAGAGGAGCTCAAGAGGCAACTGGAGGAAGAGAACAAGGCCAAGAATGCGCTG  
GCCACGCGCTGCAGTCTCCCGCCACGACTGTGACCTGCTTCGGGAACAGTACGAGGAGGAGCAGGAAG  
GCAAAGCCGAGCTGCAGAGGGCGCTGTCCAAGGCCAACAGCGAGGTGGCCCAATGGAGGACCAAAATGA  
GACGGATGCCATCCAGCGCACGGAGGAGCTGGAGGAGGCCAAAAAAGCTTGTCTCAGCGCTTCAGGAT  
TCGGAGGAGCAGGTGAGGCTGTGAATGCAAAAATGCGCTTCTTGGAAAAGACCAAGCAGAGGCTGCAAG  
GGGAGGTGGAGGACTTGATGGTGGATGTGGAGAGAGCCAACTCTCTGGCTGCCGCTCTGGACAAGAAGCA  
GAGGAACCTTTGACAAGGTGTTAGCCGAGTGGAAGACGAAGTGTGAGGAGAGCCAAGCAGAGCTGGAGGCG  
GCTCTCAAGGAATCCCGTCTTGTGAGCACTGAGCTCTTCAAACCTGAAAAACGCCTATGAAGAAGCCTTGG  
ATCAACTCGAAACTGTGAAGCGAGAGAATAAGAAGTGTAGAACAAGAGATAGCAGATCTCACCGAACAAAT  
TGCTGAGAACGGTAAAAGCATCCACGAGCTAGAGAAAATCCAGAAAAGCAGATGGAGCTGGAGAAGGCTGAT  
ATCCAGATGGCGCTGGAGGAAGCAGAGGCGCTCTGGAGCACGAAGAAGCCAAGATCCTCAGGATCCAGC  
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GAGGCGATCCCGCTGAAGAAGAAGATGGAGGGCGACCTCAATGAGATTGAGATCCAGCTGAGCCATGCCA  
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CCTGGATGACGCTCTCCGAGGCCAGGAGGACCTGAAGGAGCAGCTGGCGATCGTGGAGCGCAGAGCCAAAC  
CTGCTGCAGGCTGAGGTGGAGGAGCTGCGGGCCACTCTGGAGCAGACGGAGAGGGCCCGAAGCTGGCAG  
AGCAGGAGCTGCTGACTCCAACGAGAGGGTTCAGCTGCTGCACACCCAGAACCAGCCTCATCCACAC

CAAGAAGAAGTTGGAGACTGACCTCACACAGCTCCAGAGTGAGGTGGAGGATGCCAGCAGGGACGCAAGG  
AACGCCGAGGAGAAGGCCAAAAAGGCCATCACTGATGCCCCATGATGGCGGAGGAGCTAAAGAAGGAGC  
AGGACACCAGCGCCCATCTGGAGCGGATGAAGAAGAACCTGGAGCAGACGGTGAAGGACCTGCAGCACCG  
TCTGGACGAGGCTGAGCAGCTGGCACTGAAGGGCGGCAAGAAGCAGATCCAGAACTGGAGACGAGGATC  
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TCTGGTGATAAACTTCAAGTGAAAGTCAAGTCTACAAGAGGCAGGCTGAGGAGGCTGATGAACAAGCC  
AATGTTTCATCTACCAAGTTCCGGAAAGCCCAGCATGAGCTAGAGGAGGCCGAGGAACGTGCGGATATTG  
CAGAATCGCAAGTCAATAAACTGCGGGCTAAAACCCGGGACTTCACCTCTAGCCGGATGGTGGTCCATGA  
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_012604
<b>Insert Size:</b>	5823 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_012604.1</a></u> , <u><a href="#">NP_036736.1</a></u>
<b>RefSeq Size:</b>	6035 bp
<b>RefSeq ORF:</b>	5823 bp
<b>Locus ID:</b>	24583
<b>UniProt ID:</b>	<u><a href="#">P12847</a></u>
<b>Cytogenetics:</b>	10q24
<b>Gene Summary:</b>	heavy chain of myosin; involved in muscle contraction [RGD, Feb 2006]