

## Product datasheet for RN201788

### Myh14 (NM\_001100690) Rat Untagged Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Myh14 (NM\_001100690) Rat Untagged Clone  
 Tag: Tag Free  
 Symbol: Myh14  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 Cell Selection: Neomycin  
 Fully Sequenced ORF: >RN201788 representing NM\_001100690  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCCACAGTGACCTTGTCCGTGCTGGGAGGAAGGTGGCTCCAGGCCAGGCCCGGTGCCTGAGGCAG  
 CCCAGCCATTCTGTTCCGCGCCCGGACGCCAAATGTAGGTGGCCCTGGAGGGCCACAGGTGGAGTGGAC  
 AGCAGCGGCATGGTGTGGGTGCCCTCGGAATGCATGGGTTTCAGGCAGCAGCCCTGCGGGATGAAGGG  
 GAGGAGGAGGCAGAAGTGGAGCTGGCGGAGAGTGGCGGGCCTGCGGCTGCCAGGACCAGATCCAGC  
 GCATGAACCCACCAAGTTCAGCAAGGCAGAAGATATGGCTGAGCTCACCTGCCTCAACGAGGCCTCGGT  
 CCTGCACAATCTGCGAGAGCGCTACTACTCTGGGCTCATTTATACCTACTCTGGCCTCTTCTGTGTGGT  
 ATTAACCCGTACAAGCAGCTGCCTATCTACACGGAGGCCATTGTTGAAATGTACCGGGCAAGAAGCGCC  
 ACGAGGTGCCACCTCACATCTATGCCGTGACCGAGGGCGCTACCGCAGCATGCTTCAGGATCGTGAGGA  
 TCAGTCCATTCTGACGGGAGAGTCTGGAGCTGGGAAGACGGAGAACAAGGATCCAGTAC  
 CTGGCCCATGTGGCATCATCTCCAAAGGCAGGAAGAACCTGGTGTCCCTGCCTCAGCACCATGT  
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 GGTGAAGAACGACAACCTTCCCGATTTGGCAAATTCATCCGCATCAACTTTGATATTGCTGGCTACATC  
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 GCTTCCATATCTTACCAGCTGCTAGGGGGCGCTGGGGAGCAGCTAAAAGCTGACCTCCTTCTGGAGCC  
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 CAACACAGCTGCCAGAAGCTTTGCCGCTCTTGGGACTTGGAGTGACTGACTTCTCCAGAGCCCTTCTC  
 ACGCCCCGATCAAAGTCCGCCGAGATTACGTCCAGAAAGCACAGACCAAGAGCAGGCTGACTTTGCCG  
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 CCTGCAGCCTTGATCGACCTATTGAGCGGCCGGCCAAACCTCCAGGTCTCTGGCCCTGCTGGACGAG



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GAGTGCTGGTTCCCCAAGGCCACTGACAAGTCTTTGTGGAGAAGGTTGCCCAGGAGCAGGGCAGCCACC  
CCAAGTCCAGCGTCTAGGAACCTACGAGATCAAGCGGACTTCAGCGTCTGCACTACGAGGCAAGGT  
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CACCAGAGCACAGATCGTCTCACAGCTGAGATCTGGAAGGATGTGGAGGGCATCGTGGGGCTGGAGCAAG  
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CAGGAAGAAGAGGCTGCCGTGCTGGAGGCTGGGGAGGAGGCTCGGCGCCGTGCAGCCGGGAGGCAGAGA  
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GGGTAGAGGCTGAAGGCCGGGAGCGAGAGGCCCGGCCCTGTGCGTGCACGGGCCCTGGAAGAGGAGCA  
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AGGCGGAGGCAGCTGGCCAAGCAGCTGAGAGACGAGAGGTAGAGCGGATGAGGAACGGAAGCAGAGGG  
CACTGGCCATGGCTGCCGCAAGAAGCTGGAGTTGGAAGTGGAGGAGTTGAAGGCACAGACATCTGCTGC  
TGGGCAGGGCAAGGAAGAGGCAGTGAAGCAGCTGAAGAAGATGCAGGCCAGATGAAGGAGCTGTGGCGG  
GAGGTGGAGGAGACGCGTAGCTCCCGCAGGAGATGTTTACCCTGAGCAGGGAAGTGAAGAAGGCTCA  
AGGGGTTGGAAGCTGAGGTGCTGCGGCTGCAGGAGGAACTGGCTGCCTCAGACCGAGCCGGAGGCAGGC  
ACAGCAGGACAGAGATGAGATGGCAGAGGAGGTGGCCAGTGGCAACCTTAGCAAGGCAGCCACCCTGGAG  
GAGAAACGGCAGCTGGAGGGGCGACTGGCCAGTTGGAAGAGGAGCTGGAGGAAGAGCAGAATAACTCGG

AGCTGCTCAAGGACCACTACCGAAAGCTGGTGCTACAGGTAGAGACCCTCACCACAGAGCTGTCTGCTGA  
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 CGCCTGGGTGAAGAGGATGCTGGAGCCAGAGCCAGGCAGAAAAATGCTGATCGCCGCTCTTGAGTCTAAAC  
 TGGCCCAGGCAGAGGAGCAGCTGGAGCAGGAGAGCAGAGAGCGCATCCTCTCTGGCAAGCTGGTACGCAG  
 AGCCGAGAAGCGGCTGAAGGAGGTGTTCTTCAGGTGGATGAAGAGCGCAGGGTGGCTGACCAGCTCCGG  
 GACCAGCTGGAGAAAAGCAACCTCCGGCTGAAGCAGCTCAAGAGACAGCTGGAGGAGGCAGAGGAGGAAG  
 CATCTCGGGCACAGGCTGGCCGGAGGCGTCTGCAGCGGGAGCTGGAGGACGCTCACTGAGTCTGCAGAATC  
 CATGAACCGGGAGGTGACCACGCTGAGGAACAGGCTCCGGCGTGGCCCGCTTACTTTCACCACGCGAACT  
 GTGCGCCAGGTGTTCCGGCTGGAAGAGGGCGTGGCTTCCGACGAGGAAGAGGCTGAGGGGCAGAGCCTG  
 GTTCTGCACCAACCCAGGAGCCTGAGGCTCCGCCCTGCCGCTCCCAAGTGA

ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA  
 TTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-NotI
- ACCN:** NM\_001100690
- Insert Size:** 6003 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\\_001100690.1](#), [NP\\_001094160.1](#)
- RefSeq Size:** 6443 bp
- RefSeq ORF:** 6003 bp
- Locus ID:** 308572
- Cytogenetics:** 1q22