

## Product datasheet for **MC203578**

### **Ppp1r16a (NM\_033371) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppp1r16a (NM_033371) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppp1r16a
Synonyms:	2900084E10Rik; Mypt3; R75527
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC057450  
 GGTAATTAGCTTCAGACCCTGGACTGAGGCCGCCAGGTCTTAGGGCTACTTCCCACAGGCTGTGCACCTT  
 GACCCCAAGAGGGAGGCGAGGCGCTGTGTACAGAAGCCCTGCCAGCTGAACACTTGGAGGTGTCTGCCTA  
 CCTGGGGAACGACTGCAGGCATCCCCACTTACACACCTTCTCCCCACCCATGCCACACTGCCCTGCCT  
 GGCTGGGCTCTGCCCTTAGGGCAGCTGGGCTGGTTACAGTGTGGGACCTCCATCTCAGCCTTGCCAG  
 GGACAGAGGGCACCAAGTCTTAGAAAGGTGATGCCCCCAAGGGTGCCCGTCCAGCCAGCTGCCACACCT  
 TCAGGCTTGTCTGGCCCCCAAAACCAGATCGTGGTGCCCCAAACACCCGAGGGCAGACATTCACCA  
 CCATGGCCGAGCACCTGGAGCTGCTGGCAGAGATGCCCATGGTAGGCAGGATGAGTACCCAGGAGCGCCT  
 GAAGCATGCCAGAAGCGACGTGCCAGCAGGTAAGATGTGGGCCAGGCTGAGAAGGAGGCTCACAGC  
 AAGAAGGGCCATGGGAGCGACCATGGAAGGAGGTGGCTGGCCTCAGGCCTCGGAAGCATGCTCTTCC  
 CTCCCAGCGTTGCCCTTCTGGAGGCTGCTGCCGAAACGACTTGGAGGAAGTCCGCCAGTTCCTTACCAG  
 TGGGGTTAGCCCCAACCTGGCCAATGAAGATGGCTTGACTGCACTGCACCAGTGTGCATTGACGACTTC  
 CAAGAGATGGCACAGCAGCTCCTGGACGCTGGGGCTGATGTCAATGCTCGAGACAGTGTGCTGGACAC  
 CTCTGCATGCTGCAGCTACCTGTGGCCATCTGCATCTGGTGAACTCCTTATTTACGTGGTGCAGATCT  
 CCTTGCAGTCAATTCCGATGGGAATATGCCCTACGACCTGTGTGAGGACGCACAGACGCTGGATTGCCCT  
 GAGACTGCCATGGCCAACCAAGGATATCACCCAGGAGGGCATTGAGGAGGCCCGGGCAGTGCAGAGCTGT  
 GCATGCTGAATGACCTCCAGAACCCTGCAAGCTGGGGCCAACCTCAGTGACCTTTGGATCATGGGGC  
 TACTCTGCTGCACATCGCCGCTGCTAATGGGTTCAGTGAGGTGGCTACCTGTGCTGGAGCAAGGGCC  
 AGCCTGAGCGCTAAGGACCATGATGGCTGGGAGCCTCTGCATGCTGCGGCTTACTGGGGCCAGGTACACC  
 TGGTAGAATTGCTTGTGGCACATGGGGCTGATCTGAATGGAAAATCTCTGGTGGACGAGACACCCCTCGA  
 TGTATGTGGTGTGAGGAGGTGAGAGCCAACTGCTGGAGCTCAAGCACAAGCAAGATGCACTCCTGCGG  
 GCCCAGGGCCGCCAGCGCTCCCTGCTGCGCCCGTACCTCTAGTGCAGGCAGCCGTGGGAAGGTGGTGA  
 GACGAGTGAGCCTGACACATCGCACCAACCTGTACCGCAAGGAGCATGCCCAAGAGGCCATTGTGTGGCA  
 GCAGCCGCCACCCACAGTCCAGAACCTCTAGAGGATGAGGACAGGCAGACAGACGCTGAGCTCCGCTG  
 CAGCCCCGAGGACGATGGTCTGAGGTGGCCAGACCACACAATGGCCAAGTAGGGGCCCCCCCGGGA  
 GACACCTGACTCCAAGCGTCTAGATCGGAGTGTCTCCTATCATCTGAGTCTGAGGAGAACAGTCCCC  
 TGATGCCCTCGTCCGGGACAAGGCCACCACACTGGCAGAAGTAAACGCCAGCGAGCGGCTGCAAAAG  
 CTTGAGCGACCTGCCCTGAAGGGCCTGAGACTTTTGGCCTGGCCTGTCTGTTGATGCTGGGACCTCCC  
 AGCCTGACTGTGGCTTACGACAAATGGGGACCCGCCCTGCTCAAGCTCACTGCTCCCTCGGAGGAGGC  
 GTCTGTGGAGAAGAGGCCGTGTTGCTTGTCTCATGTGAAATGTGATTCTCAGTATGGCAGGGTTCAACCC  
 CATGCCAGCCGGAGGCTTCTCAGCATCTCTGGCCTGGTGACCCACTTAGCACATACCCCTGTGCTGTG  
 GGGGAGCCGGCACAGAGCCCATCCCCCTCCAGCCAGGACACTGGCCACCTTGTCTCAGGATGGACTA  
 TGCAGAGCTCTACCTATGGGCCTCAGGCCACAGTCTGTTATTGTGACTCTTGATAAAGGCTGTTTGCCA  
 CGGAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_033371

**Insert Size:** 1575 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:** [BC057450](#), [AAH57450](#)

**RefSeq Size:** 2289 bp

**RefSeq ORF:** 1575 bp

**Locus ID:** 73062

**UniProt ID:** [Q923M0](#)

**Cytogenetics:** 15 36.25 cM

**Gene Summary:** Inhibits protein phosphatase 1 activity toward phosphorylase, myosin light chain and myosin substrates.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.