

Product datasheet for **MC201859**

PPP2R2B (NM_028392) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R2B (NM_028392) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R2B
Synonyms:	2900026H06Rik; 6330404L05Rik; E130009M08Rik; PP2A-PR55B; PR55-BETA; SCA12
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026686 sequence for NM_028392
 GGCAAAATGGGACCCATCTCCAGTGATTCTTTGGGCTTCCCAGCTCTGCAGATCTGGGAGAGAACCTACA
 TAAACATATTGGTGATGTAGCCAGCTTTCAAGGCTGAGAGAACTTATGGATTCCGGGAGACTGGTTTTT
 CATTTAGAATTTTCTTTTCTTTTGAAGATGAAATGCTTCTCTCGTTACCTGCCTTATATCTTCAGACC
 TCCAAACACCATCCTCTCTTCCAGCTGCCATACTGAAGCTGACATTATCTCTACGGTAGAATTC AACCCAC
 ACGGGAGAGTTACTAGCGACGGGGGACAAGGGGGTTCGGTTCGTAATATTTTCAGCGAGAACAGGAGAGTA
 AAAACCAGGTTTCATCGTAGGGTGAATACAATGTTTACAGCACATTCCAGAGCCATGAACCCGAGTTCGA
 TTACCTGAAAAGTTTAGAAATAGAGAAAAAATCAATAAGATAAGATGGCTCCCTCAACAAAACGCAGCT
 TACTTTCTCTGTCTACCAACGATAAACTGTGAAGCTGTGAAAAGTCAGTGAGCGGGATAGAGGCCAG
 AAGGCTACAACCTGAAAGATGAGGAGGGCCGGCTCCGGGATCCTGCCACCATCACAACTGCGGGTGC
 TGTCTGAGACCCATGGACCTGATGGTGGAGGCCACCCACGAAGAGTGTGGCCATGCGCACACGTAC
 CACATCAACTCTATCTGTCAACAGCGACTATGAGACCTACATGTCTGTGATGACCTGAGGATTAACC
 TGTGGAACCTTTGAGATAACCAATCAGAGTTTTAATATCGTGGACATCAAGCCAGCCAACATGGAGGAGCT
 CACAGAGGTGATCACTGCAGCTGAGTTCACCCCACTGCAACACCTTCGTATACAGCAGCAGCAAG
 GGGACAATCCGGCTGTGTGACATGCGTGCATCTGCGCTGTGTGACAGGCACACCAAGTTTTTTGAAGAAC
 CGGAAGATCCAAGCAACAGATCGTTTTTCTCTGAAATCATCTCTCAATTCGGATGTGAAATTCAGCCA
 CAGTGGGAGGTATATCATGACCAGAGACTATCTGACCGTAAAAGTCTGGGACCTCAACATGGAAAATCGC
 CCCATTGAGACATACCAGGTTTCATGACTACCTCCGCAGCAAGTTGTGCTCCCTCTATGAAAATGACTGCA
 TTTTTGATAAAATTTGAGTGTGTGGAATGGGTGAGACAGCGTATCATGACGGGCTCCTACAATAACTT
 CTTTCAGGATGTTTCGACCGAAAACCAAGCGTGTGTGACCCCTTGAGGCCTCAAGGGAAAACAGCAAAACC
 CGGGCTATCCTCAAACCCGAAAAGTGTGCGTCCGGGGCAAGCGAAGAAAAGATGAGATCAGTGTGACA
 GTCTGGACTTTAGCAAAAAGATCTTGCATACAGCTTGGCATCCTTCAGAAAACATTATAGCAGTGGCGGC
 TACGAATAACTTATATATATTCCAAGACAAGGTTAACTAGAAGGACGAGCTACTACTAGTCTCACATAC
 TGAATACTAGTCAAAACAAGTTTTTAAATGTTCTTTGGGTCTTCAATTTGATGCATTGACTTTTCATTTT
 CCTATGCATAAAACAATTGGAATAGAACTTTTAAAGGAGTTCAATGTTCCCAACTCCCAATTCTAAG
 AGACATCTGTCAAACCTCGGTAGGCTTGGGACACTTCTGTTTAGACTTGAGAGCTGCCAACTGGCAGGAAT
 TCTTCCATAGTCGACTTGAATTTCTGATGCGTTCTCGTTCATTGCCAGTTCTCTCTGGTGGGTTCTGTG
 TTTTGTCTAGGTGTCTGCTGCGATAAAATGAGATTGTCTGTAGTATTTAAGGAGAAAAAGAGATAAGG
 TTTTTTTTTTTAATTAAGCATTCCATTTGTTTAAAAAATCAACAACAACAAAAAATAAACACTGTT
 TACTCTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_028392

Insert Size: 1341 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: [BC026686](#), [AAH26686](#)

RefSeq Size: 2003 bp

RefSeq ORF: 1341 bp

Locus ID: 72930

UniProt ID: [Q6ZWR4](#)

Cytogenetics: 18 B3

Gene Summary: The B regulatory subunit might modulate substrate selectivity and catalytic activity, and also might direct the localization of the catalytic enzyme to a particular subcellular compartment. Within the PP2A holoenzyme complex, isoform 2 is required to promote proapoptotic activity. Isoform 2 regulates neuronal survival through the mitochondrial fission and fusion balance. [UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) encodes a functional protein.