

Product datasheet for **MC203522**

PPP2R5B (NM_198168) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5B (NM_198168) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R5B
Synonyms:	B'beta; BC026670
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC058977
 GCGCCGCCCGCCAGCCCCAGCGCCCCGAGCGGCAGAACCACCGCTAAGGACCCCTGAACCGTCGTCTCTT
 CCACCGAGGCAACCTCTAGGGTCGGCGACCAAAGTCTGGGTTTCTGAGAAAAGAGCCAGCGTGGGAACCC
 TGACTGGAACCTCTTGGATCCCCAGGAAAAGACCTGAGCCATTGCCTTTCTACCTTACCTGCCCCCCAG
 GACTGGGCAGTTGCCAGAGGCCCTGGGGGGTCAAGACTGTGGCCGTGCCTCCCCACCCCTGAAACAT
 GCTGGACAGGATGGTCCCAGTTAGTGTGTGGCCTCATTCACTTACTCCAGACCCACAAGGAGCCCC
 CTGGGCTCTGAAAGATTGACCCGTGTTGCCACTGGCCATGGAGACGAAGCTGCCCTCGGAGCACCCC
 CACAAGCCCTCCTCCCCAGGGCTGTCTCCAGTGCCACCACAGACAAGGTGGATGGCTTCTCCCGCAGG
 TCCTCCGCAGGGCCCGCCCCGCTCGTCCACACAGCTTCTCAGTTCGGCTATCAGAGCAACCAGCAAG
 AGCTCACTCCACTGCCCCGCTCAAAGATGTGCCAGCCTCTGAGTTGCATGAGTTGCTGAGCCGAAACT
 GGCCCAATGTGGGTGATGTTTGACTTCTGGACTGCGTGGTGACCTCAAGGGGAAGGAGGTGAAGCGT
 GCAGCCCTCAATGAACTGGTGAATGTGTGGTGCACCCGGGGTGTGCTCATCGAGCCCGTCTACCCAG
 ACATCATCCGCATGATATCAGTAAATATCTTCCGGACCCTGCCACCCAGCGAGAACCCTGAGTTTGACCC
 TGAAGAAGATGAGCCCAACCTTGAGCCCTCGTGGCCACATCTGCAGCTGGTATATGAGTTTTCTGCGT
 TTCTTGGAGAGTCCAGATTTCCAGCCCTCTGTGGCCAAGAGATACGTGGATCAAAAGTTTGCCTAATGC
 TCCTGGAGCTATTTGACAGCGAGGACCCCGGGAACGTGAGTACCTCAAGACCATCTTGATCGGGTGTA
 CGGCAAGTTCTGGGTCTCCGGGCTACATCCGCAAACAGTGCAACCACATCTTCTCCGGTTCATCTAC
 GAGCTGGAACACTTCAATGGTGTGGCTGAGCTCTTAGAGATCTTAGGAAGCATCATCAATGGCTTTGCGC
 TGCCCCCTGAAGACTGAGCACAAGCAGTTCCTGGTTCGAGTCTGATCCCCCTGCACTCTGTCAAGTCACT
 ATCTGTTTTTCATGCTCAGCTGGCATACTGTGTGGTGCAGTTCCTGGAGAAGGATGCAACCTTGACAGAG
 CATGTTATCCGGGGCTTCTCAAATACTGGCCTAAAACCTGCACCCAGAAGGAGGTGATGTTCTGGGGG
 AGATGGAAGAGATTCTTGATGTCATCGAGCCCTCCAGTTTGTGAAGATCCAGGAGCCCTCTTCAAGCA
 GGTGGCTCGTGTGTCTCCAGCCCCATTCCAGTTGCAGAGCGGGCTCTGATTTCTGGAACAATGAG
 TACATCTGAGCCTCATTGAGGACAACCTGCCACACTGTGCTGCCTGCGGTATTTGGGACCCCTACCAAG
 TGTCCAAGGAGCACTGGAATCAAACCATCGTGTCCCTGATCTACAACGTGCTCAAGACTTTCATGGAGAT
 GAACGGAAGCTGTTTGACGAGCTCACAGCCTCTACAAGCTGGAAAAACAACAGGAGCAGCAGAAGGCC
 CAGGAGCGGCAGGAGCTATGGCGAGGCTTGAGGAACTGCGGCTACGCCGGCTACAGGGGACCCAAGGGG
 CCAAGGAAGCCCCGTCCACGGCTACGCCAGGTGGTGCAGTGGGGTCAAGACTAGATACACCT
 AGAACAGGAGATGCTAAACCCAGAGCTATCAGCCCTCCATCCCTCTGCCAGGGGCCAGTGAGGCCCA
 CGCTCCCGTGGCTTCCGGAGTGGCTTAGGACTCCCTACCAGCCCCGTGGGAACAGCTTTCACGGA
 GGGGAAACAAGAAGCAAGATGGTAGTCTTGGCAGCAGAACTCTCAGGCCTTTGTGGCAAGATTCTGGC
 AAGACTAGACCAGGGCAAGTATGCAACTGGGAAGCTGCCATCAGGGATCTCCCCCTGCCCTACACAGCCA
 GGCTCCAGGGCGAGCTAGGCCTTACCCTGCTCCCAGCTGGGGCATGGACACTCAGCGCTGGCCAG
 GGCTTCTCATCCCCACCATGGGGGCACAGTCTATTTATTCTGCCAGCTCACCCCAACAAGACCTTG
 TCCAGGGACATTCTCTATCCTCTCCCTGGCCCTGACTCCCTTATCCCCTTTTTATTTATTGGGCAGGGG
 GAGGGGTGAGGGCACAGGCAAGAAGATTCACATTGTCTGGGGTGGGGGGAGGTACAGTAATCATGG
 TCTGCCCTTACCTGGCTGGGGCAGATTTAATAAAGAGCGAAACTCAAAAAAAAAAAAAAAAAAAAAA AAAA

Restriction Sites: Ascl-NotI

ACCN: NM_198168

Insert Size: 1494 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: [BC058977](#), [AAH58977](#)

RefSeq Size: 2524 bp

RefSeq ORF: 1494 bp

Locus ID: 225849

UniProt ID: [Q6PD28](#)

Cytogenetics: 19 A

Gene Summary: As the regulatory component of the serine/threonine-protein phosphatase 2A (PP2A) holoenzyme, modulates substrate specificity, subcellular localization, and responsiveness to phosphorylation. The phosphorylated form mediates the interaction between PP2A and AKT1, leading to AKT1 dephosphorylation.[UniProtKB/Swiss-Prot Function]