

Product datasheet for **MC216604**

PPP2R5A (NM_144880) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5A (NM_144880) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R5A
Synonyms:	PR61alpha
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216604 representing NM_144880
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGTCGCGCTCGCCGCCGACCAGTTGCCTGCGCCGCCATCTCGGCCTCGGAGAAAGTGGACGGCT
 TCACCCGAAATCGGTGCGCAAGGCGCAGAGGCAGAAGCGCTCTCAGGGCTCGTCGAGTTCCGCAGCCA
 GGGCAGCCAGGCGGAGCTGCACCCCTGCCCAGCTCAAAGATGCCACTTCAAATGAACAGCAAGAGCTT
 TTCTGCCAGAAGCTACAACAGTGTGTACTGTTGATTTTCATGGACTCTGTCTCAGACTTGAAGAGCA
 AAGAAATTAAGAGCGACGCTGAATGAACTGGTTGAGTATGTTCAACTAATCGTGGTGAATTGTTGA
 ATCAGCGTATTCTGATATAGTAAAAATGATCAGTGCTAACATCTCCGGACACTTCTCCAAGTGATAAT
 CCAGATTTTGACCCGGAAGAGGATGAGCCACACTTGAGGCTCTTGGCCTCACATACAGTTGGTGTATG
 AATTCTTCTTGAGATTCTTGAGAGTCTGATTTCCAGCCAGCATTGCAAAGCGATACATTGATCAGAA
 GTTTGTCCAACAGCTCCTGGAGCTTTTGTAGTGAAGATCCACGGGAGCGGACTTCTGAAGACCGTC
 CTGCATCGGATTTACGGCAAGTTCCTTGGCCTGAGAGCGTTCATCAGAAAGCAAATTAACAACATTTTCC
 TCAGGTTTATATGAAACGGAACATTTCAATGGTGTGGCTGAGCTCTGGAAATATTGGGAAGTATCAT
 CAATGGCTTTGCATTGCCACTGAAAGCAGAGCATAAGCAGTTTCTAATGAAGTTCTTATTCCTATGCAT
 ACTGCAAAGGATTGGCCTTGTTCACGCACAGCTGGCGTACTGTGTGTGACAGTTCTGGAGAAAGACA
 CAACGCTGACAGAGCCGGTGATCAGAGGACTGCTGAAATTTGGCCAAAAACATGCAGTCAGAAAGAGGT
 GATGTTTTTAGGAGAAATGAAGAGATCTTAGATGTATTGAACCAACACAATTCAAAAAATTGAAGAG
 CCGCTTTTAAAGCAGATATCCAAGTGCCTCCAGCTCTCATTTCCAGTTGCAGAAAGAGCACTGTACT
 TCTGGAATAATGAATATATTCTTAGTTTGAAGAGAATATTGATAAAATCCTGCCAATCATGTTTGC
 CAGCTTGATAAAATTTCAAAGAACACTGGAATCAGACTATTGTAGCACTGGTGTACAATGTGCTGAAA
 ACCCTCATGGAGATGAACGGCAAGCTTTTTGACGACCTTACTAGTTCTCAAAGCCGAAAGACAGAGAG
 AGAAGAAGAAAGAACTGGAACGGGAAGGTTGTGGAAAAAAGTAGAGGAGCTGCAGCTGAAGAAGGCTCT
 AGAAGAAACAGAACATGCTTACAACATGCACAGTATTCGAGCAGTACCAGTGCCAAAT**AA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI
ACCN: NM_144880
Insert Size: 1461 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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:	<ol style="list-style-type: none">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:	<u>NM_144880.4</u> , <u>NP_659129.2</u>
RefSeq Size:	3082 bp
RefSeq ORF:	1461 bp
Locus ID:	226849
UniProt ID:	<u>Q6PD03</u>
Cytogenetics:	1 H6
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. [UniProtKB/Swiss-Prot Function]