

Product datasheet for **MC216659**

PPP2R5C (NM_001081457) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5C (NM_001081457) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R5C
Synonyms:	2610043M05Rik; 2700063L20Rik; AI060890; AW545884; C85228; D12Bwg0916e; mKIAA0044
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >MC216659 representing NM_001081457
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTTGACATGTAATAAAGCGGGCAGCGGGATGGTGGTGGATGCGGCCAGCTCCAACGGGCCTTTCCAGC
 CCGTGGCCCTTCTCCACATTCGAGATGTTCTCTCGCGATCAAGAGAAGCTTTTTATCCAGAAGCTACG
 CCAGTGTGTGTCTCTTTGACTTTGTCTCTGACCCACTGAGTGACCTGAAGTGGAAAGTAAGCGC
 GCTGCGCTGAGCGAGATGGTGGAGTATACACCCACAACCGAACGTGATCACGGAGCCATTTACCCCG
 AGGCCGTCCACATGTTTGCAGTTAACATGTTCCGAACCTTGCCACCTTCTCCAATCCCACGGGAGCAGA
 ATTCGACCCAGAAGAGGATGAACCAACGTTAGAAGCAGCCTGGCCTCATCTGCAGCTTGTATGAATTT
 TTCTTAAGATTTTAGAGTCTCCAGATTTCCAACCAATATAGCAAAGAAATATATTGATCAGAAGTTG
 TATTGCAGCTTCTAGAGCTGTTTACAGCGAGGATCCTCGGGAGAGAGATTTTCTAAAAACCACCCTGCA
 CAGAATCTATGGGAAGTCTTAGGCCTGGTGCTTACATCAGGAAACAGATCAATAATATATTTTATAGG
 TTTATCTATGAGACAGAGCATCACAAATGGCATAGCGGAGTTACTGGAGATCCTGGGAAGTATAATTAATG
 GATTTGCCTTACCACTGAAGGAGGAACAAGATTTTCTGCTGAAGGTGTTGCTGCCCTTGACAAAAGT
 GAAGTCCCTGAGTGTCTACCATCCCCAGCTGGCGTACTGTGTCGTGCAGTTTTAGAGAAGGACAGCACC
 CTCACTGAACCACTGGTAAATGGCACTTCTCAAATACTGGCCAAAGACTCACAGTCCAAAAGAAAGTAAATGT
 TCTTAAATGAATTAGAAGAAATTTAGATGTAATTGAACCATCAGAGTTTGTGAAGATCATGGAGCCTCT
 TTTCCGACAGTTAGCCAAATGTGTTTCCAGCCCTCACTTCCAGGTGGCCGAGCGGGCGCTCTATTACTGG
 AACACGAGTACATCATGAGTTTAAATCAGTGACAACGCAGCGAAGATTCTGCCATCATGTTTCCGTCCT
 TATACCGCAACTCAAAGACCCACTGGAACAAGACAATACACGGCTTGATATACAACGCCCTGAAACTTT
 CATGGAGATGAACCAAAAACCTTTCGATGACTGCACTCAGCAGTTCAAAGCAGAGAAAACCAAAGAGAAG
 CTA AAAATGAAAGAGCGAGAAGAAGCATGGGTTAAAATAGAAAATCTAGCCAAAGCGAATCCCCAGGCAC
 AGAAGGAGCTGAAGAAGGATCGTCCCCTCGTGCCCGCAAGTCCGAGCTGCCTCAGGACCCACACCGA
 GAAAGCCTTGAAGCTCACTGCAGAGCCAGTGAGTGTCTCTCCAGGACGGGCGC**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081457

Insert Size: 1458 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_001081457.2](#), [NP_001074926.1](#)

RefSeq Size: 4121 bp

RefSeq ORF: 1458 bp

Locus ID: 26931

UniProt ID: [Q60996](#)

Cytogenetics: 12 60.56 cM

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. The PP2A-PPP2R5C holoenzyme may activate TP53 and play a role in DNA damage-induced inhibition of cell proliferation. PP2A-PPP2R5C may also regulate the ERK signaling pathway through ERK dephosphorylation (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (b) lacks an internal segment, compared to isoform a.