

## Product datasheet for **MC215912**

### PPP2R2C (NM\_172994) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R2C (NM_172994) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R2C
Synonyms:	6330548O06Rik; IMYPNO; IMYPNO1; PR52
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC215912 representing NM\_172994  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCGAGGACACGGACACGGGAAAATTAACCACAGCTTCTCGGGACCACAGCTATGTGACAGAAG  
 CTGACGTCATCTCCACTGTCGAGTTCAACCACACTGGGGAAGTCTCGCCACAGGTGACAAGGGTGGCCG  
 GGTGGTTATCTTCCAGCGGGAACAGAGAGTAAGAACGCACCTCACAGCCAGGGTGGAGTACGATGTATAC  
 AGCACCTTCCAGAGCCACGAGCCGGAGTTTGACTACCTGAAGAGCCTGGAGATAGAGGAGAAAATCAACA  
 AGATCAAATGGCTCCCGCAGCAGAACGCCGCGCACTCGCTGCTGTCCACCAATGATAAACTATCAAATT  
 ATGGAAGATTACCGAACGAGACAAGAGGCCCGAGGGCTACAACCTGAAGGATGAGGAGGAAAGCTGAAG  
 GACCTGTCCACGGTGACGTCACGAGGTGCCTGTGCTGAAGCCATGGACCTGATGGTGGAGGTGAGCC  
 CAAGAAGGACCTTGCCAATGGCCACACCTACCACATCAACTCCATCTCCGTCAACAGCGACTGTGAGAC  
 GTACATGTCAGCGGACGCTACGCATCAACCTCTGGCATCTGGCCATCACTGATCGGAGCTTCAACATT  
 GTAGACATCAAGCCAGCCAACATGGAGGACCTCACGGAGGTGATCACAGCATCCGAGTTCATCCGCACC  
 ACTGCAACCTCTTCGTCTACAGCAGCAGCAAGGGCTCCCTGCGGCTCTGTGACATGCGGGCAGCTGCCTT  
 GTGCGACAAGCACTCCAAGCTCTTTGAAGAGCCCGAGGACCCAGCAACCCTCTTCTTTTCAGAGATC  
 ATCTCCTCGGTGTCGACGTGAAGTTCAGCCACAGTGGGCGCTACATGCTCACGAGGGATTACCTCACGG  
 TCAAGGTCTGGGACCTGAACATGGAGGCGAGGCCCATAGAGACCTACCAGGTCCACGACTACCTGCGGAG  
 TAAGCTCTGTTCCCTGTATGAGAGTGACTGCATCTTTGACAAGTTGAGTGTGCCTGGAATGGGAGTGAC  
 AGTGTGTCATGACAGGGGCTACAACAACCTTCTCCGCATGTTGACCCGTAACACCAAGAGGGACGTGA  
 CACTGGAAGCCTCGCGGAGAGCAGCAAACCCAGAGCGGTGCTCAAGCCAAGGCGGTGTGTGGGTGG  
 CAAGCGCGGCGGTGACGACATCAGTGTGGACAGCTTGGACTTCACCAAGAAGATCCTGCACACGGCTGG  
 CACCCAGCTGAGAATATCATTGCCATTGCAGCCACCAACACCTGTACATCTTCCAGGATAAGGTCAACT  
 CTGACATGCAC**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_172994
- Insert Size:** 1344 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\\_172994.2](#), [NP\\_766582.1](#)

RefSeq Size: 4066 bp

RefSeq ORF: 1344 bp

Locus ID: 269643

UniProt ID: [Q8BG02](#)

Cytogenetics: 5 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. [UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) encodes the longer isoform (1).