

## Product datasheet for **RN212542**

### **Ppp2r3c (NM\_001014196) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppp2r3c (NM_001014196) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppp2r3c
Synonyms:	RGD1309207
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN212542 representing NM\_001014196  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACTGAAAGACGTGCTTCGTCGGCGGTTAGCGTCGCCCACTCGGATCCAAAGAGGAAAAAAGCG  
 AACAGAATTAAGATGAAGAAATGGATTTGTTACCAATACTACTCAGAATGAAAGGAGGTAGAAA  
 AACACAAATGAATTCTATAAGACCATTCCCGGTTTTATTACAGGTTGCCAGCTGAAGATGAAGTCTTA  
 CTACAGAAATTAAGAGAGGAATCTAGAGCTGTCTTTCTACAGAGGAAAAGCAGAGAACTCTTAGATAATG  
 AAGAATTACAGAACTTATGGTTTTGTTGGATAAACACCAGATACCACCTATGATTGGAGAGGAAGCAAT  
 GATCAATTATGAAAATTTTTGAAGGTTGGTAAAAGGCTGGACCAAAGTGAAGCAATTTTTACTGCA  
 AAAGTCTTGCCAACTCCTCCATACAGATTATGTTGGAGAGTTCCATCATGCAATTTTAACTACG  
 TCATGCGAAAAGTTGGCTACATCAGACAAGAATAGGACTCAGTTTATATGATGTTGCTGGACAAGGATA  
 CCTTCGGGAATCGGACTTAGAGAACTACATCCTGGAGCTCATCCACCTTGCCACAGTTAGATGGCTTG  
 GAAAAATCCTTTACTCCTTCTATGTTGTACAGCAGTTAGGAAGTTCTTCTTCTTGGACCCTCTAA  
 GGACAGGGAAAATCAAAATTCAGATATTTAGCATGCAGCTTCTGGATGATTTACTGGAGCTAAGAGA  
 TGAGGAATTGTCCAAAGAAAGTCAAGAAACGAATTGGTTTTCTGCTCCTTCTGCCCTGAGGGTCTATGGT  
 CAGTATTTGAATCTTGATAAAGATCATAATGGCATGCTAAGTAAAGAAGAGCTCTCCAGATACGGAACAG  
 CCACCATGACCAATGTCTTCTAGACCGAGTTTTCCAGGAGTGTCTCACTTACGATGGAGAGATGGACTA  
 TAAGACCTACCTGGACTTTGTTCTCGCCTTAGAAAACAGAAAGGAGCCCGCGGCTCTGCAGTATATTTTC  
 AAAGTCTGGACATCGAGAACAAGGGGTACCTGAATGTCTTTCCCTTAATTATTTCTTTAGGGCCATAC  
 AAGAATAATGAAAATCCATGGACAGGATCCTGTTTCATTTCAAGATGTCAAGGATGAAAATCTTTGACAT  
 GGTCAAACCTAAGGATCCTTTGAAAATCTCACTTCAGGATTTAATCAATAGTAATCAAGGAGACACAGTC  
 ACTACCATTCTAATTGATCTCAATGGCTTCTGGACCTATGAAAACAGAGAAGCCCTTGTGCAAATGACA  
 ACGAGAATCTGCAGATCTTGATGATAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001014196
- Insert Size:** 1362 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\\_001014196.1](#), [NP\\_001014218.1](#)

RefSeq Size: 1704 bp

RefSeq ORF: 1362 bp

Locus ID: 362739

UniProt ID: [Q6AXZ3](#)

Cytogenetics: 6q23

**Gene Summary:** May regulate MCM3AP phosphorylation through phosphatase recruitment. May act as a negative regulator of ABCB1 expression and function through the dephosphorylation of ABCB1 by TFPI2/PPP2R3C complex. May play a role in the activation-induced cell death of B-cells.[UniProtKB/Swiss-Prot Function]