

## Product datasheet for **RN203544**

### **Ppp5c (NM\_031729) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppp5c (NM_031729) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppp5c
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN203544 representing NM\_031729  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGCGATGGCGGAGGGCGAGCGGACTGAGTGTGCTGAGCCCCCGGGACGAACCCCCGGCCGAAGGCA  
 CTCTGAAGCGGGCAGAGGAGCTCAAGACACAGGCCAACGACTACTTCAAAGCCAAGGACTACGAGAACGC  
 TATCAAGTTCTACAGTCAGGCCATCGAGTTGAACCCAGCAATGCCATCTACTATGGCAACCGCAGCCTG  
 GCCTACCTGCGCACCGAGTGCTATGGCTATGCACTGGGCGATGCCACACGGGCTATCGAGCTTGACAAGA  
 AGTACATCAAAGTTACTACCGCCGGCGGCTAGCAACATGGCACTGGGCAAGTCCGGGCTGCCCTGCG  
 TGACTACGAGACGGTGGTGAAGGTGAAGCCTAATGACAAGGATGCCAAGATGAAGTACCAGGAGTGCAGC  
 AAGATTGTGAAGCAGAAGGCCTTTGAGAGGGCCATTGCAGGCGACGAGCACAGACGCTCTGTCGTGGACT  
 CTCTGGACATCGAAAGCATGACCATTGAAGATGAATACAGTGGGCCAAAGCTTGAGGATGGCAAAGTGC  
 AATCACCTTCATGAAAGACCTCATGCAGTGGTACAAGGATCAGAAGAACTGCACCGGAAGTGCCTAC  
 CAGATCCTAGTGCAGGTGAAGGAAGTCCCTGCAAGCTGAGCACGCTGGTGGAGACAACGCTGAAAGAGA  
 CAGAGAAGATTACAGTGTGTGGGACACCCATGGCCAGTTTTATGACCTCCTCAACATATTTGAGCTCAA  
 CGGTTTACCCTCAGAGACCAACCCCTATATATTTAACGGCGACTTTGTGGACCGTGGTTCCTTCTCCGTT  
 GAAGTGATCCTCACCCCTCTTTGGCTTCAAGCTCCTGTATCCAGATCATTTCATCTACTTCGAGGCAACC  
 ACGAGACGGACAACATGAACCAGATCTATGGCTTCGAGGGCGAGGTGAAGGCCAAGTACACAGCCCAAT  
 GTATGAGCTCTTCAGCGAGGTGTTTCAGTGGCTCCGCTGGCACAGTGTATCAATGGCAAAGTGTGATC  
 ATGCATGGAGGCCATTCAGCGAAGATGGTGTCACTCTGGATGACATCCGGAAGATTGAGCGGAATCGGC  
 AGCCCCAGACTCAGTCCCATGTGTGACCTGCTGGTGCAGATCCCCAGCCACAGAATGGGCGCTCCGT  
 CAGCAAGCGTGGTGTGAGTTGTCAGTTTGGGCCGATGTCACCAAGGCCTTCTGGAGGAGAATCAACTG  
 GACTACATCATCCGACGCCATGAAGTCAAAGCTGAGGGCTACGAGGTGGCCCATGGTGGCCGCTGTGTCA  
 CCGTCTTCTGCCCCAATTATTGTGACCAGATGGGAAACAAAGCCTCTACATCCACCTCCAGGGTTC  
 CGACCTGCGGCCCGAGTCCACCAATTCACAGCAGTGCCTCACCCCAACGTCAAGCCCATGGCATAACGCC  
 AACACGCTGCTGCAGCTAGGAATGAT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031729

**Insert Size:** 1500 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\\_031729.1](#), [NP\\_113917.1](#)

**RefSeq Size:** 1973 bp

**RefSeq ORF:** 1500 bp

**Locus ID:** 65179

**UniProt ID:** [P53042](#)

**Cytogenetics:** 1q21

**Gene Summary:** may act as a phosphatase to deactivate the atrial natriuretic peptide receptor/guanylyl cyclase; mouse homolog binds the ANP-receptor kinase-like domain [RGD, Feb 2006]