

## Product datasheet for **RR216846**

### **Ppp2r5c (NM\_001191112) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppp2r5c (NM_001191112) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppp2r5c
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR216846 representing NM\_001191112  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTTGACATGTAATAAAGCGGGCAGCGGGATGGTGGTGGATGCGGCCAGCTCCAACGGGCTTTCCAGC  
 CCGTGGCCCTTCTCCACATTCGAGATGTTCTCTGCAGATCAAGAGAAGCTTTTATCCAGAAGCTACG  
 TCAGTGTGTGTCTCTTTGACTTTGTTTCTGACCCACTGAGTGACCTGAAGTGGAGGAGGTAAGCGA  
 GCTGCACTCAGTGAGATGGTGAATATATCACACACAACCGAACGTAATCACGGAGCCATTTACCCCG  
 AGGCCGTCACATGTTTGCAGTTAACATGTTTGAACCTTGCCACCCTCTCCAATCCTACGGGAGCAGA  
 ATTCGACCCAGAAGAAGATGAACCAACGTTAGAAGCCGCTGGCCTCATCTGCAGCTTGTATGAATTT  
 TTCTTAAGATTTTAGAGTCTCCAGATTTCCAGCCCAATATAGCAAAGAAATATATTGATCAGAAGTTG  
 TATTGCAGCTTCTAGAGCTTTTACAGCGAGGATCCTCGGGAGAGAGATTTTCTAAAACTACCCTGCA  
 CAGAATCTATGGGAAGTCTTAGGCCTGCGCGTTACATCAGGAAACAGATCAATAATATATTTTATAGG  
 TTTATCTATGAGACAGAGCATACAATGGCATAGCAGAGTTACTGGAGATCCTGGGAAGTATAATTAATG  
 GATTTGCCTTACCACTAAAGGAAGAGCACAAGATTTTCTGTTAAAGGTGTTGCTGCCCTTGACAAAAGT  
 GAAATCCCTGAGTGTCTACCATCCCCAGCTGGCGTACTGTGTCGTGCAGTTTTAGAGAAGGACAGCACC  
 CTCACTGAACCAAGTGAATGGCACTTCTCAAATACTGGCCAAAGACTCACAGTCCAAAAGAAAGTAAATGT  
 TCTTAAATGAATTAGAAGAAATCTTAGATGTAATTGAACCATCAGAAATTTGTGAAGATCATGGAGCCTCT  
 TTTCCGACAGTTAGCCAAATGTGTTTCCAGCCCTCACTCCAGGTGGCAGAGCGGGCGTGTATTACTGG  
 AACAAATGAGTACATCATGAGTTTAAATCAGTGACAATGCAGCGAAGATTCTGCCATCATGTTTCCATCCT  
 TATACCGCAACTCAAAGACCCACTGGAACAAGACCACACCGGCTTGATATACAACGCCCTGAAACTCTT  
 CATGGAGATGAACCAAAAACCTTTCGATGACTGCACGCAGCAGTTCAAAGCAGAGAAAACCTCAAAGAGAAG  
 CTA AAAATGAAAGAGCGAGAAGAAGCGTGGGTTAAAATAGAAAATCTAGCCAAAGCGAATCCCCAGTATG  
 CAGTGTATAGTCAAGCCAGCGCCATGAGCATCCCGGTTGCCATGGAGACAGATGGTCTCAGTTTGAAGA  
 TGTGCAGATGCTGAAAAAGACAGTGAGCGACGAGACTCGTCAGGCACAGAAGGATCTGAAGAAGGACCGT  
 CCCCTTGTGCGCCGAAGTCCGAGCTGCCTCAGGACCCACACCCGAGAAAGCCTTGGAAGCTCACTGCA  
 GAGCCAGTGAGCTGCTCTCCAGGACGGGCGC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR216846 representing NM\_001191112  
 Red=Cloning site Green=Tags(s)

MLTCNKAGSGMVVDAASSNGPFQPVALLHIRDVPPADQEKLFIQKLRQCCVLFDFVSDPLSDLKWKVEVCR  
 AALSEMVEYITHNRNVITEPIYPEAVHMFVNMFRTPSSNPTGAEDPEDEPTLEAAWPHLQLVYEF  
 FLRFLESPDFQPNIAKKYIDQKFLVQLLELFDSEDPREDFLKTTLHRIYKFLGLRAYIRKQINNIFYR  
 FIYETEHNGIAELLEILGSIINGFALPLKEEHKIFLLKVLPLHKVKSLSVYHPQLAYCVVQFLEKDS  
 LTEPVVMALLKYWPKTHSPKEVMFLNELEEILDVIEPSEFVKIMEPLFRQLAKCVSSPHFQVAERALYYW  
 NNEYIMSLISDAAKILPIMFPLRYNSKTHWNKTIHGLIYNALKLFMEMNQKLFDDCTQQFKAELKKEK  
 LKMKEREEAWVKIENLAKANPQYAVYSQASAMSI PVAMETDGPQFEDVQMLKKTVSDETRQAQKDLKDDR  
 PLVRRKSELPQDPHTEKALEAHCRASELLSQDGR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_001191112

ORF Size: 1572 bp

OTI Disclaimer: 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](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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\\_001191112.1](#), [NP\\_001178041.1](#)

RefSeq Size: 1656 bp

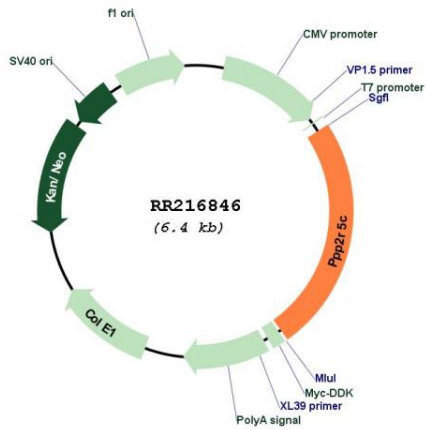
RefSeq ORF: 1575 bp

Locus ID: 691318

Cytogenetics: 6q32

MW: 60.9 kDa

Product images:



Circular map for RR216846