

## Product datasheet for **RR205332**

### **PPP2R5B (NM\_181379) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PPP2R5B (NM_181379) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2R5B
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

**ORF Nucleotide Sequence:**

>RR205332 representing NM\_181379  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGACGAAGCTGCCCTGCAAGCACCCCAAGCCCTCCTCCCGGGGCTGTCTCCAGTGCCAC  
 CACCAGACAAGGTGGATGGCTTCTCCCGCGATCCCTCCGAGGGCCCGCCCGACGCTCACACAGCTC  
 TTCTCAGTTCCGCTATCAGAGCAACCAGCAAGAGCTCACTCCACTGCCCTGCTCAAAGATGTGCCAGCC  
 TCTGAGTTACATGAGTTGCTAAGCCGAAACTGGCCCAATGTGGGGTGTGTTTGACTTCTGGACTGTG  
 TGGCTGACCTCAAGGGCAAGGAGGTGAAGCGTGCAGCCCTCAATGAACTGTGGAATGTGTGGGAGCAC  
 CCGGGGGTCTCATTGAGCCTGTCTACCAGACATCATCCGCATGATATCAGTAAATATCTCCGGACC  
 CTGCCGCCAGTGAGAACCCTGAATTTGACCCTGAAGAAGATGAGCCCAACCTTGAGCCTCGTGGCCAC  
 ATCTACAGCTGGTATATGAGTTTTCTGCGGTTCTGGAGAGTCCAGATTTCCAGCCCTCTGTGCCAA  
 GAGATACGTGGATCAAAGTTTGTCTGATGCTCTGGAGCTATTTGACAGCGAGGACCCCGGGAACGT  
 GAGTACCTCAAGACCATCTTGCATCGGGTATACGCAAGTTCTGGGTCTCCGGGCTACATCCGCAAAC  
 AGTGCAACCACATCTTCTCCGGTTCATCTATGAGCTGGAGCACTTAAATGGTGTGGCTGAGCTGTTAGA  
 GATCTTAGGAAGCATCATCAATGGCTTTCGCTGCCCTGAAGACTGAGCACAACAGTTCTGGTTCGA  
 GTCCTCATCCCCTTGACTCTGTCAAGTCACTGTCTGTTTTTCATGCTCAGCTGGCATACTGTGTGGTGC  
 AGTTCTTGAGAAAGATGCGACCTTGACAGAGCATGTTATCCGGGGCTTCTCAAATACTGGCCTAAAC  
 CTGACCCAGAAGGAGGTGATGTTCTGGGGGAGATGGAAGAGATTCTCGATGTGATCGAGCCCTCCAG  
 TTTGTGAAGATCCAGGAGCCTCTCTCAAGCAGGTGGCTCGCTGTGTCTCCAGCCCCATTTCCAGTTG  
 CAGAGCGGGCTCTGATTTCTGGAACAATGAGTACATCCTGAGCCTCATTGAGGACAACGCCACACTGT  
 GCTGCCTGCGGTATTTGGGACCCTCTACCAAGTGTCCAAGGAGCACTGGAATCAAACCATCGTGTCCCTG  
 ATCTACAACGTGCTCAAGACTTTCATGGAGATGAATGGGAAGCTGTTTGTGAGCTTACAGCCTCTACA  
 AGCTAGAAAAACAGCAGGAGCAGCAGAAGGCCAGGAGCGGCAGGAACTTTGGCGAGGCTTGAGGAACT  
 GCGGTTACCGGCTACAGGGGACCCAAGGGCCAAGGAAGCCCTGTCCAAGGCTACGCCCCAGGTG  
 GCTGCCAGTGGGGTCAAAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR205332 representing NM\_181379  
 Red=Cloning site Green=Tags(s)

METKLPASTPTSPSSPGLSPVPPDPKVDGFSRRSLRRARPRRSHSSSQFRYQSNQQELTPLPLLKDVP  
 SELHELLSRKLAQCGVMFDLDCVADLKGKVKRAALNELVECVGSTRGVLIPEVYPDIIRMISVNI  
 LPPSENPEFDPEEPEPNLEPSWPHLQLVYEFFLRFLFLESPDFQPSVAKRYVDQKFLMLLELFDSE  
 PRER EYLKTIILHRVYGFGLRAYIRKQCNHIFLRFIYELEHFNGVAELLEILGSIINGFALPLKTE  
 HKQFLVR VLIPLHSVKLSVFHAQLAYCVVQFLEKDATL TEHVIRGLLKYWPKTCTQKEVMFLGEM  
 EILDVIEPSQ FVKIQEPLFKQVARCVSPPHFQVAERAL YFWNNEYILSLIEDNCHTVLPVFGTL  
 YQVSKEHWNQTIIVSL IYNVLKTFMEMNGKLFDEL TASYKLEKQEQKAQERQELWRGLEELRLRRL  
 QGTQGAKEAPVPRPTQV AASGGQS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

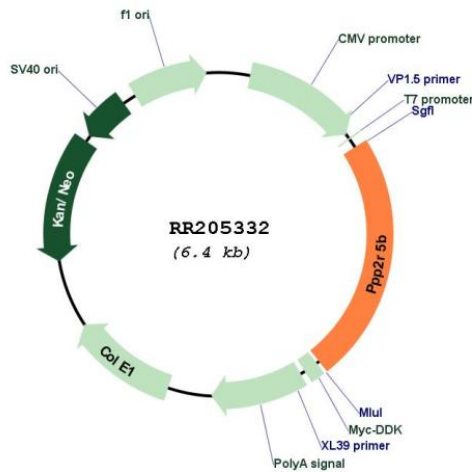
**Restriction Sites:**

Sgfl-Mlul

Cloning Scheme:



Plasmid Map:



ACCN: NM\_181379

ORF Size: 1491 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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_181379.2, NP_852044.1</u>
<b>RefSeq Size:</b>	2213 bp
<b>RefSeq ORF:</b>	1494 bp
<b>Locus ID:</b>	309179
<b>UniProt ID:</b>	<u>Q80W83</u>
<b>Cytogenetics:</b>	1q43
<b>MW:</b>	57.3 kDa
<b>Gene Summary:</b>	human homolog is a regulatory subunit for protein phosphatase 2A, one of the four major Ser/Thr phosphatases implicated in the negative control of cell growth and division [RGD, Feb 2006]