

## Product datasheet for **RR214779**

### **PPP2R5A (NM\_001107891) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PPP2R5A (NM_001107891) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2R5A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR214779 representing NM\_001107891  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGTCGTCGCGCTCGCCGCCACCAAGTTGCCTGCGCCGCATCTCGGCCTCGGAGAAAGTGGACGGCT  
 TCACCCGAAATCGGTGCGCAAGGCGCAGAGGCAGAAGCGCTCTCAGGGCTCGTCGAGTTCGCGAGCCA  
 GGGCAGCCAGGCGGAGCTGCACCCCTGCCACAGCTCAAAGATGTACATCAAATGAACAGCAAGAGCTT  
 TTCTGCCAGAAGCTACAACAGTGTGTACTGTTGATTTTCATGGACTCTGTTTCAGACTTGAAGAGCA  
 AAGAAATTAAGAGCAACGCTCAATGAGCTGGTTGAGTATGTTTCGACTAACCGTGGTGAATTGTTGA  
 ATCAGCGTATTCTGATATTGAAAAATGATCAGTGCTAACATCTCCGGACACTTCTCCAAGTGATAAC  
 CCAGACTTTGACCCGGAAGAGGATGAGCCACACTTGAGGCTCTTGGCCTCACATACAGCTGGTGTATG  
 AATTCTTCTTGAGATTCTTGAGAGTCTGATTTCCAGCCAGCATTGCAAAGCGATACATTGACCAGAA  
 GTTTGTACAACAGCTCCTGGAGCTTTTCGACAGTGAAGACCCACGAGAGCGTGACTTCTGAAGACCGTC  
 CTGACCCGGATTTACGGGAAGTTCTGGGAATGAGGGCGTTCATCAGAAAGCAAACAACACATCTTCC  
 TCAGGTTTATCTATGAAACGGAGCATTTCAATGGAGTGGCTGAGCTCCTTGAAACTGGGAAGTATCAT  
 CAATGGCTTTGCGTTGCCACTGAAAGCAGAACATAAGCAGTTTCTAATGAAGTTCTTATTCCTATGCAT  
 ACTGCAAAGGACTGGCTCTGTTTCATGCTCAGCTGGCTACTGTGTTGTGCAGTTCTGGGAAAGACA  
 CGACACTGACAGAGCCGGTGTACAGAGGACTCTGAAATTTGGCCAAAAACATGCAGTCAGAAAGAGGT  
 GATGTTTTTAGGAGAAATGAAGAGATCTTAGACGTCATTGAGCCAACACAATTCAAAAAGATTGAAGAG  
 CCGCTTTTTAACAGATATCCAAGTGTGTCTCCAGTTCCTACTCCAGTTGCAGAGAGCACTGTACT  
 TCTGGAATAACGAATACATTCTCAGTTTGATTGAGGAGAATCGATAAGATCCTGCCATCATGTTTGC  
 CAGTTTGTATAAAATTTCAAAGAACAACACTGGAATCAGACTATTGTAGCTCTGGTATACAACGTGCTGAAA  
 ACCCTAATGGAGATGAACGGGAAGCTTTTTGATGACCTTACTAGTTCCTACAAGGCTGAAAGACAGAGAG  
 AGAAGAAGAAAGAACTGGAACGCGAAGAATTATGGAAAAAGTTAGAAGAGTTGAAGCTGAAGAAGGCTCT  
 AGAAGAACAGAACATGCTTACAACATGCACAGTATTCTCAGCAATACCAGTGCCAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR214779 representing NM\_001107891  
 Red=Cloning site Green=Tags(s)

MSSPSPAPVACAAISASEKVDGFTRKSVRKAQRQKRSQGSQFRSQSQAELHPLPQLKDATSNEQQEL  
 FCQKQQCCVLFDFMDSVSDLKSKEIKRATLNELVEYVSTNRGVIVESAYSDIVKMISANIFRTLPPSDN  
 PDFDPEEDEPTLEASWPHIQLVYEFFLRFLFLESPDFQPSIAKRYIDQKFVQQLLELFDSEDPREDFLKT  
 VHRIYKFLGMRAFIKQTNNIFLRFIYETEHFNGVAELLEILGSIINGFALPLKAEHKQFLMKVLI  
 PMHTAKGLALFHAQLAYCVVQFLEKDTLTPVIRGLLKFVWPKTCSQKEVMFLGEIEEILDVIEPTQFKKIEE  
 PLFKQISKCVSSSHFQVAERALYFWNNEYILSLIEENIDKILPIMFASLYKISKEHWNQTI  
 VALVYNVLKTLMEMNGKLFDDLTSYKAERQREKKELEREELWKKLEELKLLKALEKQNNAYNMHSILSNTSAQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

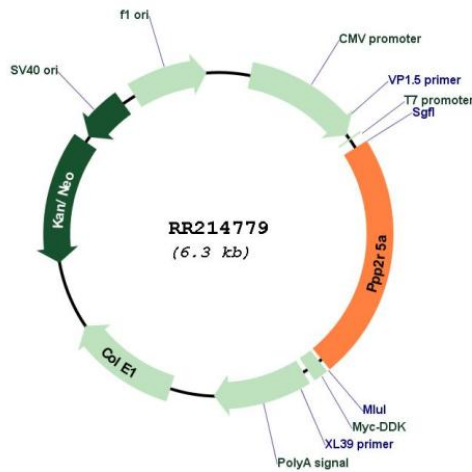
**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001107891

ORF Size: 1458 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\\_001107891.1](#), [NP\\_001101361.1](#)

**RefSeq Size:** 2596 bp

**RefSeq ORF:** 1461 bp

**Locus ID:** 312754

**Cytogenetics:** 13q27

**MW:** 56.3 kDa