

Product datasheet for **RR202494**

PPP2R2B (NM_022209) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R2B (NM_022209) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2R2B
Synonyms:	Pppr2b2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR202494 representing NM_022209
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAATGCTTCTCTCGTTACCTGCCTTATATCTTCAGACCTCCAATACCATCCTCTCTCCAGCTGCC
 AACTGAAGCTGACATTATCTCTACGGTAGAATTCACCACACTGGAGAGTTACTAGCGACGGGGACAA
 GGGGGTAGGGTTGTAATATTTACGCGAGAACAGGAGAGTAAAAATCAGGTTTCATCGTAGGGTGAATAC
 AATGTTTACAGCACATTCAGAGCCATGAACCCGAGTTCGATTACCTGAAAAGTTTAGAAAATAGAAGAAA
 AAATCAATAAAAATAGATGGCTCCCTCAACAAAATGCAGCTTACTTTCTCTGTCTACCAACGATAAAAAC
 TGTGAAGCTATGAAAAGTTAGTGAGCGTGATAAGAGGCCAGAAGGCTACAACCTGAAAGATGAGGAGGGC
 CGGCTCCGGGATCCTGCCACCATACAACCTGCGGGTGCCTGTCCTGAGACCCATGGACTTGATGGTGG
 AGGCCACCCACGAAGAGTGTGGCAATGCGCACACATACCACATCACTCCATATCTGTCAACAGCGA
 CTATGAGACCTACATGTCTGCTGATGACCTGAGGATTAACCTGTGGAACCTTGGATAACCAATCAGAGT
 TTTAATATCGTGGACATCAAGCCAGCCAACATGGAGGAGCTCACAGAAGTGATCACAGCAGCCGAGTTCC
 ACCCCACCCTGCAACACCTTTGTATACAGCAGCAGCAAGGGGACAATCCGGCTGTGTGACATGCGGGC
 ATCTGCGCTGTGTGACAGGCACACCAAGTTTTTGAAGAGCCAGAAGATCCAAGCAATAGATCGTTTTTC
 TCTGAAATATCTCTTCAATTTCCGATGTGAAGTTCAGCCACAGTGGGAGGTATATCATGACCAGAGACT
 ATCTGACCGCGAAAGTCTGGGATCTCAACATGGAAAATCGCCCGTAGAGACATACCAGGTTTCATGACTA
 CCTCCGTAGCAAGTTGTGCTCCCTCTACGAAAATGACTGCATTTTGGATAAATTCGAGTGTGTGGAAT
 GGGTCAGACAGCGTCATCATGACGGCTCTACAATAACTTCTTCAGGATGTTTCGACCCGAAACACCAAGC
 GTGATGTGACCTTGAGGCCTCAAGGGAAAACAGCAACCCCGGGCTATCCTCAAACCCGAAAAGTGTG
 CGTCGGGGCAAGCGAAGAAAAGATGAGATCAGTGTGACAGTCTGGACTTTAGCAAAAAGATCTTGCAT
 ACAGCTTGGCATCCTTCAGAAAATATTATAGCAGTGGCGCTACAATAACTTATATATATTCCAGGACA
 AGTTAAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR202494 representing NM_022209
 Red=Cloning site Green=Tags(s)

MKCFSRYPYIFRPPNTILSSSCHTEADIISTVEFNHTGELLATGDKGGRVYVIFQREQESKNQVHRRGEY
 NVYSTFQSHEPEFDYLSLEIEEKINKIRWLPQQNAAYFLLSTNDKTVKLWVSRDKRPEGYNLKDEEG
 RLRDPATITTLRVPVLRPMDLMVEATPRRVFANAHTYHINSISVNSDYETYMSADDLRINLWNFEITNQS
 FNIVDIKIPANMEELTEVITAAEFPHHCNTFVYSSKGTIRLCDMRASALCDRHTKFFEEPEDPSNRSFF
 SEIISSISDVKFSHSGRYIMTRDYLTAKVWDLNMENRPVETYQVHDYLRSLKCSLYENDCIFDKFECVWN
 GSDSVIMTGSYNNFFRMFDRNTRDVTLEASRENSKPRAILKPRKVCVGGKRRKDEISVDSLDFSKKILH
 TAWHPSENIIVAATNNLYIFQDKVN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

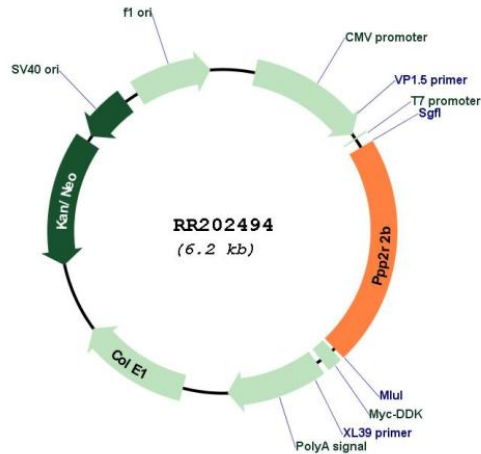
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_022209

ORF Size: 1338 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_022209.3](#), [NP_071545.2](#)

RefSeq Size: 1990 bp

RefSeq ORF: 1341 bp

Locus ID: 60660

UniProt ID: [P36877](#)

Cytogenetics: 18p11

MW: 52 kDa

Gene Summary: may regulate the activity of protein phosphatase 2A catalytic subunit; may play a role in spermatid elongation [RGD, Feb 2006]