

Product datasheet for **RN212894**

Ppp1r9b (NM_053474) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp1r9b (NM_053474) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppp1r9b
Synonyms:	Neb2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF:

>RN212894 representing NM_053474

Red=Cloning site Blue=ORF Orange=Stop codon

 TTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

 ATGATGAAGACGGAGCCTCGGGGGCCGGGGTCCCTCCGGAGCGCCTCCCGCACCGCAGCGCTACG
 AAGCGGGCATCCAGGCACTAAAGCCTCCCGATGCTCCCGGGCCTGACGAGGCACCAAGCGGCCACCA
 TAAGAAATATGGCTCCAACGTCCACGCATCAAAAGTATGTTCTGCAGATGGGACCAACACGGGGCCG
 CCGGGTGAGGCAGGCGCGCCTCAGGCATGGCCGAAGCCCAAGGGCGTCCGATCGCGGCGTGCGCTTT
 CCCTGCCCGGGCCAGCAGCCTGAACGAGAAGTGGACCACAGTGCCTGCTCAAGCTGGCACCAGTGT
 GTCGGAGCGCTGAGCGCTTTCGACTCCAAGCCGCGCCCTCGGCGCAGCCGGCTCCGCCCGCACCCG
 CCGTCCCGGTGCAGGAGACGCGGAAGCTGTTCAACGGAGCGTCCCGCGGCCTCGGGTGGCACAAGG
 AGGCCGTGGCGCGCGGCTGCTGAGGCAGGAGCGCCAGCCTGCAGGACCGGAAGCTGGACGTCGTGGT
 GCGCTTTAACGGCAGCACCGAGGCGCTGGACAAGCTGGATGCTGACGCCGTGTCGCCGACGGTCAGCCAG
 CTACAGTGGGTCTTCGAGAAAGCCGACTCGAGGACCGGCCTTACCGTGCACCCGGTCCCGCTCGGGCCG
 CGGGGGCGCCCCAGGTCAACTCGAAGCTGGTACCAAGCGGTCCCGGGTGTTCAGCCACCGCCGCCGCC
 TCCCGCCCCGTGGGGGATGCCGCGACAGAGAAGGATCGTGGCCCCGAGGGGACAGCCCCACAGCAC
 CGAGTGGCCCCCTGCCGACCTCCGCCAAAGCCGCGGAGGTACGCAAGATCAAACCGGTGGAGGTTGAGG
 AAAGTGGGAGTCTGAGGCTGAGTCGGCTCCCGGGGAAGTGATCCAGGCCGAGGTGACCGTCCATGCAGC
 CTTGGAGAATGGCAGCACACAGCCACACAGCCAGCCCTGCACCCGAGGAACCAAGGCCGAAGCGGT
 CCCGAAGAGGAGGCGTCGTCAGTGGCGACTAGAGAGGGGGTGGACAATGGCCGGCCCCGGACA
 TGGCACCCGAGGAGGTGGATGAATCCAAAAGGAGGACTTCTCAGAAGCGGACTTGGTAGACGTGAGCGC
 CTACAGTGGACTCGGGGAGGACTCTGGGGCAGTGCCCTGGAAGAGGACGATGAAGAAGATGAAGAGGAC
 GGGGAGCCCCCTACGAGCCGAATCAGGCTGTGTGGAGATTCTGGGCTTTAGAGGAAGAGGACCCAG
 CCCCAGCCGGAAGATCCATTTAGCACCGCACCGATCCAAGTATTCAGCACCTACTCCAATGAGGACTA
 TGACCGACGCAATGAGGATGTGGACCCATGGCGGCTCTGCGGAATACGAGCTGGAGAAGCGAGTGGAG
 AGGTTGGAGCTGTTTCTGTGGAGTTGGAGAAGGACTCTGAGGGCTGGGCATCAGCATATTGGCATGG
 GAGCCGGAGCCGACATGGGCCTGGAGAAGCTGGGCATCTCGTCAAGACTGTGACTGAGGGTGGTGCAGC
 CCATCGGGATGGCAGGATCCAAGTGAACGATCTCCTGGTAGAGGTGGACGGGACGAGCCTGGTGGGAGTG
 ACCCAGAGCTTTGCAGCCTCTGTGCTTAGGAACACCAAGGCAGAGTGGCGTTTCATGATTGGCCGGGAGC
 GGCTTGGAGAACAGAGTGAAGTGGCCAGCTAATTCAGCAGACCTTGGAGCAGGAGAGGTGGCAGCGGGA
 GATGATGGAGCAGAGATACGCCAGTATGGAGAAGACGATGAGGAGACAGGAGATATGCCACCGATGAA
 GATGAAGAACTGAGCCCGACATTTCCAGGGGTGAAATGGCCATCGAGGTGTTTGAAGTACGAGAGAATG
 AGGATGCACTGTCCCCTGTGGAGATGGAGCCTGAAAAGCTGGTGCACAAGTTCAAGGAGCTCCAGATCAA
 GCATGCTGTCACTGAAGCGGAAATCCAGCAGCTGAAGCGGAAGTTGCAGAGTCTGGAGCAGGAGAAAGGG
 CGCTGGCGGGTGGAGAAGGCCAGCTGGAGCAGAGTGTGGAGGAGAATAAGGAGCGGATGGAGAAGCTAG
 AAGGCTACTGGGTGAGGCCAGAGCCTGTGCCAGGCTGTGGATGAGCACCTGCGGGAGACTCAGGCCCA
 GTATCAGGCCCTGGAGCGAAAGTACAGCAAGGCCAAGCGTCTCATCAAGGACTACCAGCAAAAGGAGATC
 GAGTTCTGAAAAAAGAGACCGCCAGCGTCGGTACTGGAAGAGTCGGAGCTAGCCAGGAAGGAGGAAA
 TGGACAACTTCTGGATAAGATCTCAGAACTGGAAGGAACTGCAAACTGAGGAATTCCAATTCTAC
 TTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_053474

Insert Size:

2454 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:	<u>NM_053474.1</u> , <u>NP_445926.1</u>
RefSeq Size:	4505 bp
RefSeq ORF:	2454 bp
Locus ID:	84686
UniProt ID:	<u>O35274</u>
Cytogenetics:	10q26
Gene Summary:	interacts with protein phosphatase 1 and actin filaments; involved in regulation of synaptic transmission [RGD, Feb 2006]