

Product datasheet for **RN210500**

Ppp4r1 (NM_080907) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp4r1 (NM_080907) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppp4r1
Synonyms:	Pp4r1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210500 representing NM_080907
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCGGACCTCTCGCTGCTCCAGGAGACCTGCCGGAGGACCGGACGGACTTGGTGTGGATGACTACA
 GCTCAGAGTCTGATGTGATTATTATACCTTCAGCCCTGGACTTCGTCTCACAAGATGAAATGTTGACACC
 CTTGGGGAGGCTGGACAAGTATGCTGCAAGTGAGAACGCTTTAACAGACAAATGGTGGCCCGAGTTTG
 CTGGATACTCTGAGGGAAGTCTGTGGTGGAGAGAGAGACTGCATTGCTGTCTTGGAAAGGATCAGCCGAT
 TGGCTGATGACTCAGAACCAACCGTGAGAGCCGAGCTGATGGAACAGGTGCCGCACATCGCACTGTTTTG
 TCAAGAGAACCGACCTTCCATACCATATGCCTTTTCCAAGTACTACTGCCAATCGTGGTTAGATACCTT
 GCAGACCAGAATAACAGGTGAGGAAAACAGCCAGGCAGCTTTGCTGGCTCTGCTGGAGCAGGAGCTGA
 TTGAGCGACTCGATGTGGAGACCAAGGTGTGCCCGTCTCATAGACTTGACTGCCCCAGACAGCAATGA
 CGATGTGAAGACAGAGGCCGTGGCTATAATGTGCAAGATGGCCCATGGTTGGGAAAGATATTACAGAG
 CGTCTCATCTCCTAGGTTTTGTGAGATGTGCTGTGACTGTAGAATGTTTACGCTCCGAAAGGTCTGTG
 CTGCCAATTTTGGAGACATTTGCAGCGTAGTTGGCCAGCAAGCTACAGAAGAAATGCTGCTGCCAGGTT
 CTTCCAGCTGTGTTCTGACAATGTGTGGGGCGTCCGGAAGGCCTGTGCTGAGTGCTTCATGGCCGCTCC
 TGCGCGACATGCCAAGAAATCCGACGGACAAAGTTGTCAGCACTGTTTATTAAGTATGATCAGTGATCCTT
 CACGTTGGGTTCCGCAAGCAGCCTTTCAGTCCCTGGGGCCTTTCATATCCACATTTGCTAATCCATCAAG
 CTCGGGCCAGTGCTTCAAAGATGAGAGCAAAAGCTCAGAAGACAAAGACAGGATCAGAGACGATGGTGT
 GTACAAGAAGAGCAGAGCAGGCCAGAGGACGCACCTTCAGACCTCAGTCCCCCTCACTCCAGTGCCAGGC
 GGACAGCTCCTTACTCTGTACTTTGTCCTCAGAGTCTCCTCAGGAAGCAGCTAGTGACGCTGAGAGTGGT
 AAAAAGCACGATAACAACAGCAAGTCTGCGTCCCGGCCAGACGTTGGCACCAGCTCCCCAGAGCCCACTC
 CCTTAGATCAGGAAATGTTCAACTCCTTCCATTCTGGAGGACTCCTTACCCAGATAGATCTTGATAA
 AGAGCTCCAACAGGACCCTGGGGAGAGGCCAGCCAGAGAGAACAGGAGATGCACCTGCAGCCCTGTA
 CCAGGTTCTCCAGTATCACCATGGCTACCCGGAAGGAACTAGAAGAAATGATAGAAAACCTAGAGCCGC
 ACATGGATGACCCGGATGTTAAGCCCAGGTGGAAGTGTGTGCGCCGCCCTGCGCGCTTCTACCCTGGA
 TGCTCACGACGAGGCTGGCGGTGCAGAGCAGCGGAGTGTGCTGCAGGACGACGAGTGGGTGCCGGCGGC
 GAGCTTCAAACGTAGCATCAGCGAAGCACTTCTGAGCCTCTGGTTCATCGCTGCTGAGGAGAATATGG
 AGGCCACTCCTGACTATATCCATGGAGGTGCGGATGTAGGCCCGGTGGCGGTGGTGGCTTCAGCCCGGA
 TGAAGAGAGGAGACCCAAAGTCCAGGATGTGCTACCACAAGCGTTACTAGACCAGTACCTGTCAATGACC
 GACCTTCTCGAGCACAGACAGTGCACCCGAGATCGCTAAGCACTGTGCATACAGTCTGCCGGGTGTGG
 CTCTGACCCTTGGCAGACAGAAGTGGCACTGCTTGGAGAGAGACTACGAGACCCTAGCGTGCAGACATGCA
 GTGGAAAGTTCGAAGAAGTCTGGCCTTCTCCATCCATGAGCTCGCGGTGATTCTCGGGGACCAGCTGACA
 GCAGCAGACCTGGTCCGATTTTTAATGGGTTTTTAAAAGATCTTGACGAAGTCAAGATAGGTGTTCTCA
 AACACTTGCATGACTTTCTGAAGCTTCTCATATTGATAAAAAGAAGAGAGTACCTTTATCAACTCCAGGA
 GTTTTTGGTGACAGACAACAGTAGAAAATGGCGGTTTCGAGCTGAAGTGGCAGAACAGCTGATTTTACTT
 CTAGAATTATATAGTCCCAGAGATGTTTTATGATTACTTACGTCCCATTGCTCTGAATCTGTGTGCAGACA
 AAGTTTCTCAGTCCGTTGGATTTCTACAAGTTGGTCAAGTGTGAGATGGTGAAGAAGCTACACATGGCGAC
 GCCGCCAACGTTTCGAGTTCGAGCTCATCAATGAGCTGGTGGAGAAGTTCGGCAGGTGTCCAAAGTGGTGC
 GGCCGGCAGGCCCTTCGTCTTCGTGTGCCAGACTGTCATTGAGGACGACTGCCTCCCCATGGACCAGTTTG
 CTGTGCACCTGATGCCACATTTGCTGACCTTGGCAATGACAGGGTTCCCAACGTTAGAGTGTGCTTGC
 AAAAACCTTTCGACAGACTCTACTAGAGAAAGAATACTTCTTACCTCTGCCAGCTGTATCAGGAGGCC
 GTGGAGCAGACAATCATGGCCCTCAGATGGATCGAGACAGTGTGCAAGTACTTTGCAAGCATCCACC
 CGTCCAGTACAAACTCTCTGAAGACGCAATGAGTACAGCTTCTCCACCTACT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN:	NM_080907
Insert Size:	2856 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:	<ol style="list-style-type: none">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_080907.2 , NP_543183.1
RefSeq Size:	3782 bp
RefSeq ORF:	2856 bp
Locus ID:	140943
UniProt ID:	Q8VI02
Cytogenetics:	9q37
Gene Summary:	Regulatory subunit of serine/threonine-protein phosphatase 4. May play a role in regulation of cell division in renal glomeruli. The PPP4C-PPP4R1 PP4 complex may play a role in dephosphorylation and regulation of HDAC3 (By similarity).[UniProtKB/Swiss-Prot Function]