

Product datasheet for **MC201618**

Ppp4r1 (NM_146081) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp4r1 (NM_146081) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppp4r1
Synonyms:	3110001J10Rik; Pp4r1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC026489 sequence for NM_146081
 CACCATTACACAGACACATATGCAGCACTAATTGATTTACTTTTTCGCGAAAAGGAAGAAACGGCTCCA
 TTATACTGTCCAGGGCCAGTGCTAAAAATAACTTGAAGGATGAGAGACAATGATGTCGTAGAAAGAGCA
 TCGCAGGCCAGAGGACGCTCCTTACAGACCTCAGTGCCCTCACTCCAGCGCCAGGCTGGAGAGCCTCGAA
 GGCTGTGCTGCCAAGACACCTGGGCACTCTGCAGGTGACGTGCCTGCTCCAGTGGACAGCTCCTTACTCT
 GTACTTTGTCCTCAGAGTCTCCTCAGGAAGCAGCTAGCAATGATGAGAATGGTAGAAAGCCTGACACCAA
 CAGCAAGTCTGCGTCCCGGCCAGAGCTGGCACCAGCTCCCGAGAGGCCACTCCCTTAGACCAGGACATG
 TTCAAACCTCTCCATTTCTGGAGGACTCCTTACCTAAAATAGATCTTGATAAAGAGCTCCAGCAGGACC
 CCGAGGAGAGACTCAGCCAGAGAGAACAGGAGATGTACCTGCAGCCCTCTACCAGGCCCTCCCAATAT
 CACCATGGCTACCCGGAAGGAAGTAGAAGAAATGATAGAAAACCTTGAGCCACACATGGATGACCCGGAT
 GTGAAAGCACAGGTGGACGTGCTGTCGGCTGCCCTGCGAGCTTCCAGCCTGGATGCTCACGAAGAGACTG
 GTGGTGTAGAGCAGCGGAGTGAAGTGAAGTGTGTGTCAGTGAAGTGTGTCAGTGAAGTGTGTCAGTGA
 TCACGACACTTGTGTCCTTTGATCAGCGCTGCTGAGGAGAATGCGGAGGCCACTCCTGATTATGCCAT
 GGAGGTGCAGACGTAAGCCCTGGTATGGCTTCCAGCCGGATGAAGATAGGAGACCCAAAGTCCAGGATG
 TTGTACCAACAAGCGTTACTGGATCAGTACTTGTCAATGACCGACCCTTCTCGAGCACAGACAGTTGACAC
 TGAGATCGCTAAGCACTGTGCATACAGTCTGCCGGGTGTGGCCCTGACTCTTGGCAGACAGAAGTGGCAC
 TGCTTGAGGGGAGACTTACGAGACCTAGCGTCCGACATGCAGTGGAAAGTTCGAAGGACTTAGCCTTCT
 CCATCCATGAGCTTGCAGTATCCTTGGGGACCAGCTGCAGCTGCAGACCTGGTTCCAATCTTCAATGG
 ATTTTTAAAGACCTCGATGAAGTCAAGGATAGGTGTTCTTAAACACTTGCATGACTTTCTGAAGCTTCTT
 CACATTGATAAAAGAAGAGAGTACCTTTATCAGCTCCAGGAGTTTTTGGTGACAGACAACAGTAGAAATT
 GGGCGTTTCGAGCTGAAGTGGCAGAACAGCTGATTTTACTTCTGGAGTTATACAGTCCCAGAGATGTTTA
 TGATTACCTACGACCCATCGCTCTGAATCTGTGTGCAGACAAAGTTTTCTCAGTCCGCTGGATTTCTAC
 AAGTTGGTCAGTGAAGTGGTGAAGAACTCCACACAGCAACACCACCAACCTTCGGATAGATCTCATCA
 ATGAGCTGGTAGAGAATTTTGGCAGGTGCCAAAATGGTCTGGTCCGCAAGCCTTTGTCTTTGTCTGCCA
 GACTGTCAATTGAAGACGACTGCCTCCCATGGACCAGTTTGTGTGCACTTGTATGCCACATTTGCTGACC
 TTGGCAAATGACAGGGTTCCCAATGTTAGAGTGTGCTTGCAGAAAACCTTGCAGACACTGCTGGAGA
 AAGAGTACTTCTAGCCTCTGCCAGCTGTACCAGGAGGCCGTGGAGCAGACAATCATGGCCCTGCAGAT
 GGACCGAGACAGTGTCAAGTACTTTGCAAGCATTACCCCTCCAGTACCAAACCTCTGGAAGATGCA
 ATGAGCACAGCTTCTCCACCTACTGACCCACGGTGTCCATCCTGCATCCGCAAGAGCCTGGCCTCGACT
 GCCTGCACCACTCGGGACAGCTGTGGTGGGGCCCTTCTCCTGCCAACTATTTCGAGGTGCAGGTTGCC
 TACTCCCAATACCAGTGGTTTTAAGAGTCAAGAGAAAGTACAGTAAACACTATTATCTTATCTTGACTTA
 AGGGAAAGTAAATCTCAGAGGATTATAATTGTCCACAAAGCCTTAACTCGTTCCTTCATCTTCTGACTG
 ATGGCTTGAATTGGCAGAGCATTTCCTTCCGGAAAGGATGAGGTTCCCAGAGACCTGCGTTGCTTCTT
 CTGGTTTTATTTAACGGCTGATAAATGACATTCTTACGGCCAGAAGGTGGATGTGCACCGGACAGGAAAAG
 GCCTTCAGTATTAGCCTAAGCATTTCTTCTAGGTGCTGAGCCTGTTTCCAGTCCCTTGGCTGCCCTGCCAG
 CCCAGCCCTAAGTGTGAATAGTCTTGGCGTGTATAAATGACAAAGGAGTTTTCTCTCCTAAGGGCTT
 GATGTTAACACTAAATAGAATCTGATTTTACTCCTAATGCAGCACATTGCTGTACACATTTACAGAATG
 TTTGCAGAATCTCTCCTGATATTTTTCATGCTGGTTCATGACCTGAAGGAAATTTCTTAGCACGAATTTG
 TGCAGGTATTTTTAACTTGTATGATGATGCTGAGTGTGAGGTGCAACTGTGCTTCCCGTGTGCACCCCTG
 TGACCACTCTGGGTGTGCAGCCTGAATCATGCTGTTAGAAGTGTGTGGTACAAGCTCCAAATAAAATT
 TATTAATAGGATCTATAAAGAGAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_146081

Insert Size: 1809 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:	<u>BC026489</u> , <u>AAH26489</u>
RefSeq Size:	2768 bp
RefSeq ORF:	1809 bp
Locus ID:	70351
UniProt ID:	<u>Q8K2V1</u>
Cytogenetics:	17 E1.1
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] Transcript Variant: This variant (1) encodes the longer isoform (a).