

Product datasheet for **MG218356**

PPP4r1 (NM_001114131) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP4r1 (NM_001114131) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP4r1
Synonyms:	3110001J10Rik; Pp4r1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MG218356 representing NM_001114131
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGCGGACCTCTCCCTGCTCCAGGAGACCTGCCGGAGGACCGGACGGACCCCTGGACTTCGTCTCAC
 AAGATGAAATGTTGACACCCTTGGGAGGCTGGACAAGTATGCTGCAAGTGAGAACGTATTTAACAGACA
 AATGGTGGCCCGAGTTTCTGGATACTCTGAGGAAAGTCTGCGATGATGAGAGAGACTGCATTGCTGTC
 TTGAAAGAATTAGCCGATTAGCTGATGACTCCGAACCAACTGTGAGAGCGGAGCTGATGGAACAAGTGC
 CGCACATTGCACTGTTTTGTCAAGAGAACCAGCTTCTATACCGTATGCTTTTTCCAAGTACTTACTACC
 AATTGTGGTCAGATACCTCGCAGACCAGAATAACCAGGTGAGGAAAACAGTCAGGCAGCTTTGCTGGCT
 CTGCTGGAGCAGGAAGTATTGAGCGATTTGACGTGGAGACCAAGGTGTGCCCTGTCTCATAGACCTGA
 CTGCCCCAGACAGCAATGATGATGTGAAGACAGAAGCTGTGGCTATAATGTGCAAGATGGCCCCATGGT
 TGGGAAGGACATTACGGAGCGCCTCATCTCCAGGTTCTGCGAGATGTGCTGTGACTGTGCAATGTTT
 CATGTCCGGAAGTCTGCGCTGCCAATTTTGGAGATATTTGCAGTGTAGTTGGCCAAACAAGCAACAGAAG
 AAATGTTGCTGCCAGGTTCTTCCAGCTGTGCTCTGATAACGTGTGGGGCGTCCGAAAGGCTGTGCTGA
 GTGCTTATGCTGTCTCCTGTGCAACATGTCAAGAAATCCGACGGACAAAGTTATCAGCACTATTTATT
 AACTTGATCAGTGATCCTTACGTTGGGTTCCGCAAGCAGCCTTTCAGTCTCTGGGGCCTTTCATATCCA
 CGTTTGTCAATCCATCAAGCTCGGGCCAGTGTCTTAAAGATGAGAGCAAGAAGTCAAGACTCCTCGGC
 AGAAGACAAAGACAGGATGAGAGACAATGATGTCGTAGAAGAAGAGCATCGCAGGCCAGAGGACGCTCCT
 TCAGACCTCAGTGCCCTCACTCCAGCGCCAGGCTGGAGAGCCTCGAAGGCTGTGCTGCCAAGACACCTG
 GGCACTCTGAGGTGAGTGCCTGCTCCAGTGGACAGCTCCTTACTCTGTACTTTGTCTCAGAGTCTCC
 TCAGGAAGCAGCTAGCAATGATGAGAATGGTAGAAAGCCTGACACCAACAGCAAGTCTGCGTCCCGCCA
 GACGCTGGCACCAGCTCCCCAGAGGCCACTCCCTTAGACCAGGACATGTTCAACTCCTTCCATTTCTGGA
 GGACTCCTCTACCTAAAAAGATCTTGATAAAGAGCTCCAGCAGGACCCCGAGGAGAGACTCAGCCAGA
 GAGAACAGGAGATGTACCTGCAGCCCCTTACCAGGCCCTCCCAATATCACCATGGCTACCCGGAAGGAA
 CTAGAAGAAATGATAGAAAACCTTGAGCCACACATGGATGACCCGGATGTAAAGCACAGGTGGAGCTGC
 TGTCCGCTGCCCTGCGAGCTTCCAGCCTGGATGCTCACGAAGAGACTGGTGGTGTAGAGCAGCGGAGTGA
 GCTACAAGATGAAGTGTGTGTCAGTGTGCTCCAGACTGTAACATAAGTCAAGACTTGTGTGCCCTTTG
 ATCAGCGCTGCTGAGGAGATGCGGAGGCCACTCCTGATTATGTCCATGGAGGTGCAGAGCTAAGCCCTG
 GTGATGGCTTACGCCGATGAAGATAGGAGACCCAAAGTCCAGGATGTTGTACCAAGCGTTACTGGA
 TCAGTACTTGTCAATGACCGACCCTTCTCGAGCACAGACAGTTGACACTGAGATCGCTAAGCACTGTGCA
 TACAGTCTGCCGGGTGTGGCCCTGACTCTTGGCAGACAGAAGTGGCACTGCTTGAGGGAGACTTACGAGA
 CCCTAGCGTCCGACATGCAGTGGAAAGTTCGAAGGACTTAGCCTTCTCCATCCATGAGCTTGCAGTGAT
 CCTTGGGGACCAGCTGACAGCTGCAGACCTGGTTCCAATCTTCAATGGATTTTTAAAAGACCTCGATGAA
 GTCAGGATAGGTGTTCTTAAACTTGCATGACTTTCTGAAGCTTCTTACATTGATAAAAAGAAGAGAGT
 ACCTTTATCAGCTCCAGGAGTTTTTGGTGACAGACAACAGTAGAAATTGGCGCTTTCGAGCTGAAGTGC
 AGAACAGCTGATTTTACTTCTGGAGTTATACAGTCCCAGAGATGTTTATGATTACCTACGACCCATCGCT
 CTGAATCTGTGTGACAGCAAAGTTTCTTCAAGTCCGCTGGATTTCTACAAGTTGGTCAAGTAAAGTGA
 AGAAACTCCACACAGCAACACCACCAACTTCGGAGTAGATCTCATCAATGAGCTGGTAGAGAAATTTGG
 CAGGTGTCCAAAATGGTCTGGTCCGCAAGCCTTTGTCTTGTCTGCCAGACTGTCATTGAAGACGACTGC
 CTCCCCATGGACCAGTTTGTGTGCACTTGTGACCAATTTGCTGACCTTGGCAATGACAGGGTCCCA
 ATGTTAGAGTGTGCTTGCAGAAACCTGCGACAGACTCTGCTGGAGAAAGAGTACTTCTAGCCTCTGC
 CAGCTGTACCAGGAGCCGTGGAGCAGACAATCATGGCCCTGCAGATGGACCGAGACAGTGTGCAAG
 TACTTTGCAAGCATTACCCCTCCAGTACCAAACCTCTCTGAAGATGCAATGAGCACAGCTTCTCCACCT
 AC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG218356 representing NM_001114131
 Red=Cloning site Green=Tags(s)

MADLSLLQEDLPEDADGPLDFVSDQDEMLTPLGRLDKYAASENVFNQMVARSLLDRTLREVCDDERDCIAV
 LERISRLADDSEPTVRAELMEQVPHIALFCQENRPSIPYAFSKYLLPIVVRYLADQNNQVRKTSQAALLA
 LLEQELIERFDVETKVCVPLIDL TAPDSNDDVKTEAVAIMCKMAPMVGKDITERLILPRFCMCCDCRMF
 HVRKVCANFGDICSVVGQQAETEMLLPRFFQLCSDNVWGVKACAECFMAVSCATCQEIRR TKLSALFI
 NLI SDPSRWVRQAAFQSLGPFISTFANPSSSGQCFKDESKNSEDSSAEDKDRMRDNDVVEEHRRPEDAP
 SDL SAPHSSARLESLEGCAAKTPGHSAGDVPAPVDSSLLCTL SSESQEAASNDENGRKPDNTNSKASRP
 DAGTSSPEATPLDQDMFNSFHFWRTPLPKIDLKELQQDPEERLSPERTGDVPAAPLPGPPNITMATRKE
 LEEMIENLEPHMDDPDVKAQVDVL SAALRASSLDAHEETGGVEQRSELQDEVCSSEL PDCNISHDTCVPL
 ISAAEENAEATPDYVHGADVSPGDGFSPEDEDRPKVQDVVPQALLDQYLSMTDPSRAQTVDEIAKHCA
 YSLPGVALTLGRQNWHLRETYETLASDMQWKVRRTLAFSIHELAVILGDQLTAADLVPIFNGLKDLDE
 VRIGVLKHLHDFLKLHIDKRREYLYQLQEFVLT DNSRNWRFRALAEQLIL LLELYSPRDVYDYL RPIA
 LNL CADKVSSVRWISYKLVSEMVKKLHTATPPTFGVDL INELVENFGRCPKWVSGRQAFVVCQTVIEDDC
 LPMDQFAVHLMPHLLTLANDRVPNVRVLLAKTLRQTLLEKEYFLASASCHQEAVEQTIMALQMDRSDVK
 YFASIHPSSTKLSEDAMSTASSTY

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

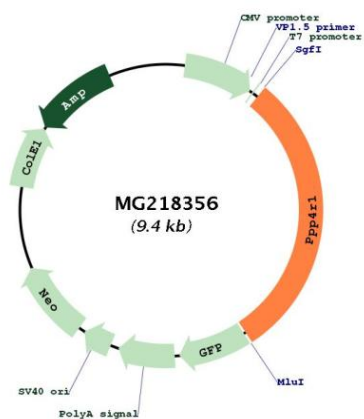


ACCN: NM_001114131

ORF Size: 2802 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:	<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_001114131.1 , NP_001107603.1
RefSeq Size:	3813 bp
RefSeq ORF:	2805 bp
Locus ID:	70351
UniProt ID:	Q8K2V1
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]

Product images:



Circular map for MG218356