

Product datasheet for **MR211287**

Ppp4r1 (NM_146081) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp4r1 (NM_146081) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppp4r1
Synonyms:	3110001J10Rik; Pp4r1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR211287 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGACCTCTCCCTGCTCCAGGAGGACCTGCCGGAGGACCGGACGGACTTGATGTGGATGACTACA
 GCTCAGAGTCTGATGTGATTATTATACCTTCAGCCCTGGACTTCGTCTCACAAGATGAAATGTTGACACC
 CTTGGGGAGGCTGGACAAGTATGCTGCAAGTGAGAACGTAATTAACAGACAAATGGTGGCCCGAGTTTG
 CTGGATACTCTGAGGGAAGTCTGCGATGATGAGAGAGACTGCATTGCTGTCTTGGAAAGAATTAGCCGAT
 TAGCTGATGACTCCGAACCAACTGTGAGAGCGGAGCTGATGGAACAAGTGCCGCACATTGCACTGTTTTG
 TCAAGAGAACCGCCTTCTATACCGTATGCTTTTTCCAAGTACTACTACCAATTGTGGTCAGATACCTC
 GCAGACCAGAATAACCAGGTGAGGAAAACAGTCAGGCAGCTTTGCTGGCTCTGCTGGAGCAGGAACTGA
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 TGATGTGAAGACAGAGGCTGTGGCTATAATGTGCAAGATGGCCCCATGGTTGGGAAGGACATTACGGAG
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 CTGCCAATTTTGGAGATATTTGCAAGTGTAGTTGGCCAACAAGCAACAGAAGAAATGTTGCTGCCAGGTT
 CTTCCAGCTGTGCTCTGATAACGTGTGGGGCGTCCGAAAGGCTTGCTGCTGAGTGTCTCATGGCTGTCTCC
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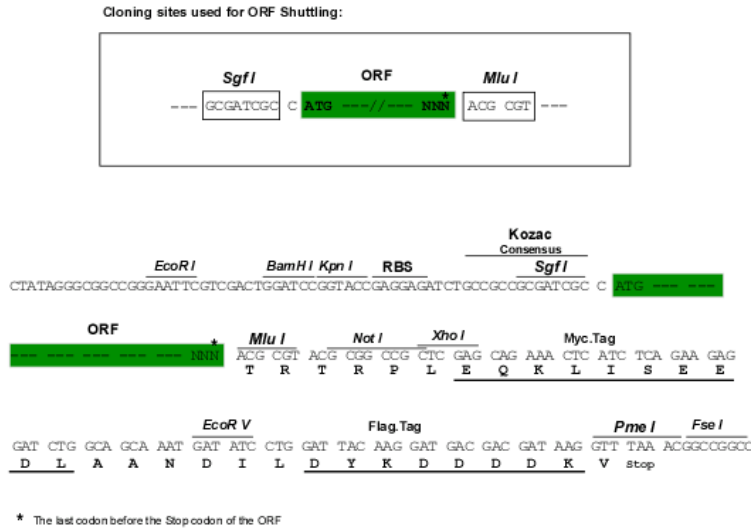
Protein Sequence: >MR211287 protein sequence
 Red=Cloning site Green=Tags(s)

MADLSLLQEDLPEDADGLDVEDDYSSESDVIIIPSALDFVSQDEMLTPLGRDKYAASENVFNRMVARS
 LDTLREVCDDERDCI AVLERISRLADDSEPTVRAELMEQVPHIALFCQENRPSIPYAFSKYLLPIVVRYL
 ADQNNQVRKTSQAALLALLEQELIERFDVETKVCPLIDL TAPDSNDDVKTEAVAIMCKMAMPVVKDITE
 RLILPRFCMCCDCRMFHV RKVCAANFGDICSVVGQQATEEMLLPRFFQLCSDNVWGVKACAECFMAVS
 CATCQEI RRTKLSALFINLISDPSRWVRQAAFQSLGPFISTFANPSSSGQC FKDESKSSESSAEDKDRM
 RDSDVVEEHRRPEDAPSDL SAPH SARLESLEGCAAKTPGHSAGDVPAPVDSLLCTLSSESPQEAASN
 DENGKRPDTNSKSASRPDAGTSSPEATPLDQDMFNSFHFWRTP LPKIDLKELQQDPEERLSPERTGDVP
 AAPLPGPPNITMATRKEEEMIENLEPHMDDPDVKAQVEVL SAALRASSLDAHEETGGVEQRSELQDEVC
 VSELPDCNISHDTCVPLISAAEENVEATPDYVHGGADVSPGDGFSPEDEDRRPKVQDVVPQALLDQYL SMT
 DPSRAQTVDTEIAKHCAYS L PGVALTLGRQNWHLRETYETLASDMQWKVRRTLAFSIHELAVILGDQLT
 AADLVPIFNGLKDLDEVRI GVLKHLHDFLKLHIDKRREYL YLQEQEFLVTDNSRNWRFRALAEQLILL
 LELYSRVDVYDYL RPIALNL CADKVSSVRWISYKLVSEMVKKLHTATPPTFGVDLINELVENFGRCPKWS
 GRQAFVFCQTVIEDDCLPMDQF AVHLMPHLLTLANDRVPNVRVLLAKTLRQTLLLEKEYFLASASCHQEA
 VEQTIMALQMDRDSVKYFASIHPSSTKLSEDA M STASSTY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

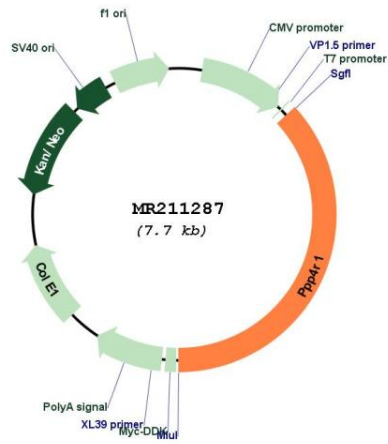


ACCN: NM_146081

ORF Size: 2856 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_146081.2 , NP_666193.2
RefSeq Size:	3864 bp
RefSeq ORF:	2856 bp
Locus ID:	70351
UniProt ID:	Q8K2V1
Cytogenetics:	17 E1.1
MW:	106.3 kDa
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 MR211287