

Product datasheet for **RR213284**

PPP1R8 (NM_001107911) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1r8 (NM_001107911) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ppp1r8
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR213284 representing NM_001107911
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCGGCAGCCGTGAACCTCCGGCTCCAGCCTCCCCTGTTTCGACTGCCGACTTGGGCAGGTAACCCGC
 CACCAGGCTTACATCTGGATGTAGTAAAGGAGACAAGCTAATTGAGAAGCTGATTATTGATGAGAAGAA
 GTATTATTTATTTGGGAGGAACCCCGATCTGTGCGACTTTACCATCGACCACAGTCTTGCTCTCGGGTC
 CACGCAGCACTGGTGTACCACAAGCACCTGAAGAGAGTTTTCTTGATAGATCTCAACAGCACACATGGCA
 CTTTTTTGGGTCAATCCGGCTGGAACCCGACAAAGCCTCAGCAGATTCCCATTGACTCCACGGTCTCGTT
 CGGCGCGTCCACGAGGGCGTACACTCTGCGAGAGAAGCCTCAGACACTGCCATCGGCTGTGAAAGGAGAT
 GAGAAGATGGGCGGAGAGGACGATGAACCTAAGGGCTTGTGGGACTTCTGAGGAGGAGACCGAGCTGG
 ATAACTGACAGAGTTCAACACTGCCACAACAAGCGATTTCAACCCTCACTATTGAAGAGGAAATCT
 GGACATTCAGAGACCAAAGAGGAAGAGGAAGAACTCGAGGGTGACCTTCAGTGATGATGATGAGATCATC
 AACCCAGAGGATGTGGATCCGTCTGTTGGTCGCTTCCGGAACATGGTGCAGACTGCAGTGGTCCAGTCA
 AGAAGAAGCGGATGGAGGGCTCAGGCTCCCTGGGCCTGGAGGAGTCAGGGAGCAGGCGCATGCAGAACTT
 TGCTTCAGCGGAGGACTATACGGGGCCCTGCCCCACACACAGTGAACCAGGCTCCCAACCACATGGC
 ATTCACGGGACAGCGCTCATTGGTGGCTTGCCCATGCCATACCCGAACCTCGCCCCTGATGTGGACTTGA
 CTCCTGTTGTGCCGTGAGCAGTGACCATAAATCCACACCAAACCCCGCAGTGTATAACCCTGAAGCTGT
 AAATGAACCCAAGAAGAAGAAATACGCGAAGGAGGCTTGGCCCGCAAGAAGCCACGCCTTCTTACTG
 ATT

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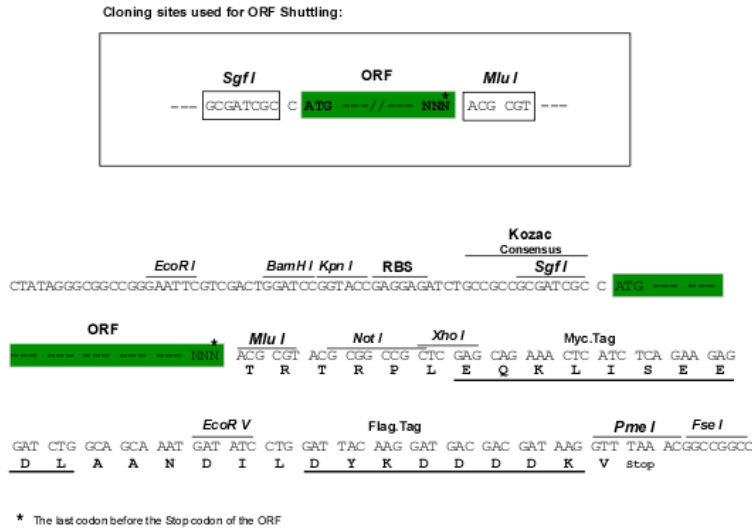
Protein Sequence: >RR213284 representing NM_001107911
 Red=Cloning site Green=Tags(s)

MAAAVNSGSSLPFLDCPTWAGKPPPGLHLDVVKGDKLIEKLIIDEKYYLFG RNPDLCDFTIDHQSCSRV
 HAALVYHKHLKRVFLIDLNSTHGTFLGHIRLEPHKPPQIPIDSTVSFGASTRAYTLREKQTLPSAVKGD
 EKMGGEDDELKGLLGLPEEETELDNLTFNTAHNKRI STL TIEEGLNDIQRPKRKRKNSRVTF SDDDEII
 NPEDVDPVSVGRFRNMVQTAVVPVKKRMEGSGSLGLEESGSRMQNFAFSGGLYGGLPPTHSEPGSQPHG
 IHGTALIGGLPMPYPNLAPDVDLTPVVP SAVTINPTPNPAVYNPEAVNEPKKKKYAKEAWPGKKPTPSLL
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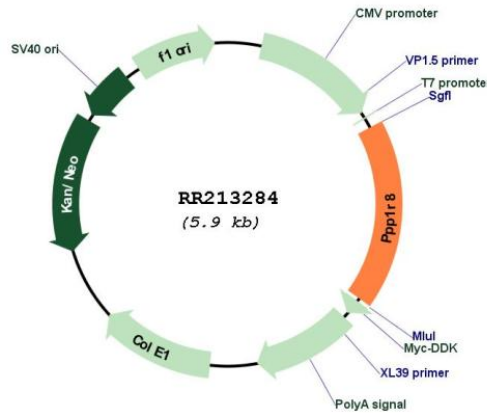
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001107911

ORF Size:	1053 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_001107911.1 , NP_001101381.1
RefSeq Size:	1793 bp
RefSeq ORF:	1056 bp
Locus ID:	313030
Cytogenetics:	5q36
MW:	38.5 kDa