

Product datasheet for **RR201181**

Ppif (NM_172243) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppif (NM_172243) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ppif
Synonyms: CyP-D; CypD; PPIase
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201181 representing NM_172243
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTAGCTCTGCGCTGCGGTCCCCGCTGCTCGGTCTGCTCTCCGGCCCGCTCCGCGCCGCTCCTCC
 TCTCCACGACCCGTACCTGCAGCGACGGCGGAGCCGAGGCGCAACTTCTCTCCAAAACCCGCTCGT
 GTACTTGGACGTGGGCGCCGACGGACAGCCGCTCGGCCGCGTGGTCTGGAGTTAAAGGCAGATGTCGTG
 CCAAAGACAGCAGAGAACTTCAAGAGCCCTGTGCACTGGTGAGAAGGGCTTTGGCTACAAAGGCTCCACCT
 TCCACAGGGTCATCCCAGCCTTCATGTGCCAGGCTGGCGACTTACCAATCACAATGGCAGCGGGAGGGAA
 GTCCATCTACGGAAGCCGCTTCTGACGAGAACTTCACTGAAGCACGTGGGACCAGGTGTCCTGTCC
 ATGGCAAACGCAGGCCCAACACCAATGGCTCTCAGTTCTTTATCTGCACAATAAAGACAGACTGGCTGG
 ATGGCAAGCATGTTGTGTTTGGCCATGTCAAAGAGGGCATGGATGTTGTGAAGAAAATAGAATCTTTCGG
 CTCAAAAAGTGGGAAGACATCTAAGAAGATTGTCATCACAGACTGTGGCCAGTTGAGC

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201181 representing NM_172243
 Red=Cloning site Green=Tags(s)

MLALRCGPRLGLLSGPRSAPELLLSTTRTCSDDGGARGANSSSQNPLVYLDVGDGQPLGRVVLLEKADV
 PKTAENFRALCTGEKGFYKGFSTFHRVIPAFCQAGDFTNHNGTGKSIYGSRFPDENFTLKHVGPVLS
 MANAGPNTNGSQFFICTIKTDWLDGKHVVFGHVKEGMDVVKKIESFGSKSGKTSKKIVITDCGQLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

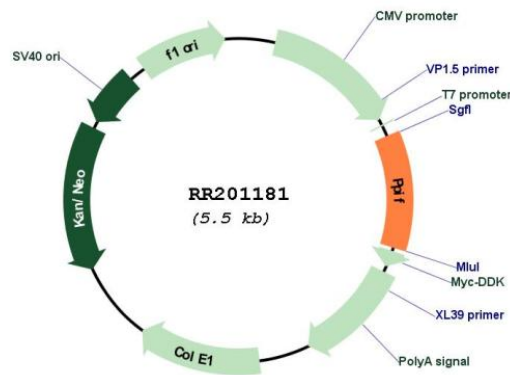
Restriction Sites: SgfI-MluI



Cloning Scheme:



Plasmid Map:



ACCN: NM_172243

ORF Size: 618 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:

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_172243.1](#), [NP_758443.1](#)

RefSeq Size: 1498 bp

RefSeq ORF: 621 bp

Locus ID: 282819

UniProt ID: [P29117](#)

Cytogenetics: 16p16

MW: 21.8 kDa

Gene Summary: mitochondrial isozyme of peptidyl-prolyl cis-trans-isomerase; enzyme activity is inhibited by cyclosporin A [RGD, Feb 2006]