

Product datasheet for **RR207956**

Ppp1r14b (NM_172045) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1r14b (NM_172045) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ppp1r14b
Synonyms: PHI-1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >RR207956 representing NM_172045
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGATCGCC

ATGGCGGATAGCGGCCCCGCGGGGGCGCGCGTTGGCTGCCCGGCCCGGACCGGGTAGTGGCAGCA
CAGGGCCCCGAGTCTACTTCCAGAGTCCCCCTGGGGCCGAGGCGAAGGCCCGGGGGCGCGGATGATGA
TGGCCCGGTGAGACGGCAAGGGAAGGTACCGTCAAGTACGACCGCAAGGAGCTGCGGAAGCGCCTCAAC
CTGGAGGAGTGGATTTTAGAACAGCTCACGCGACTCTACGACTGCCAGGAGGAGGAGATCCAGAGCTGG
AGATCGATGTGGATGAACTCTTGACATGGAAAGTATGATACTCGGGCTGCTAGAGTCAAGGAGCTGCT
AGTTGACTGTTACAAACCACTGAGGCCTTCATCTCTGGCCTGCTGGACAAGATCCGGGGCATGCAGAAG
CTGAGCACACCCAGAAGAAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR207956 representing NM_172045
Red=Cloning site Green=Tags(s)

MADSGPAGGAALAAPAPGPGSGSTGPRVYFQSPPGAAGEGPGGADDDGPVRRQGKVTVKYDRKELRKRLN
 LEEWILEQLTRL YDCQEEEIPELEIDVDELLDMESDDTRAARVKELLVDCYKPTAFISGLLDKIRGMQK
 LSTPQKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI


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Cloning Scheme:



ACCN: NM_172045

ORF Size: 441 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_172045.1](#), [NP_742042.1](#)

RefSeq Size: 745 bp

RefSeq ORF: 444 bp

Locus ID: 259225

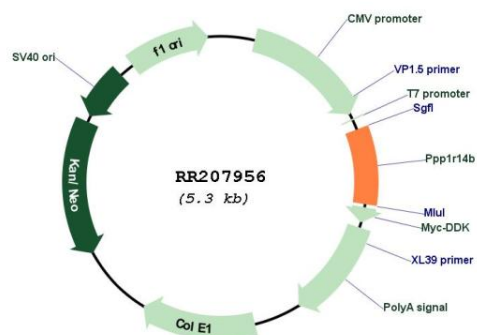
UniProt ID: [Q8K3F3](#)

Cytogenetics: 1q43

MW: 16 kDa

Gene Summary: inhibitor for protein type-1 phosphatase (PP1) and myosin light-chain phosphatase (MLCP); substrate of protein kinase C (PKC) [RGD, Feb 2006]

Product images:



Circular map for RR207956