

## 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  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR207956 representing NM\_172045  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGATAGCGGCCCGGGGGCGCGGCGTTGGCTGCCCGGCCCGGACCGGGTAGTGGCAGCA  
CAGGGCCCGAGTCTACTTCCAGAGTCCCCTGGGGCCGAGGCGAAGGCCCGGGGGCGCGGATGATGA  
TGGCCCGTGAGACGGCAAGGGAAGGTCACCGTCAAGTACGACCGCAAGGAGCTGCGGAAGCGCCTCAAC  
CTGGAGGAGTGGATTTTGAACAGCTCACGCGACTCTACGACTGCCAGGAGGAGGATCCAGAGCTGG  
AGATCGATGTGGATGAACTCTTGACATGGAAAGTGATGATACTCGGGCTGCTAGAGTCAAGGAGCTGCT  
AGTTGACTGTTACAAACCACTGAGGCCTTCATCTCTGGCCTGCTGGACAAGATCCGGGGCATGCAGAAG  
CTGAGCACACCCAGAAGAAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR207956 representing NM\_172045  
Red=Cloning site Green=Tags(s)

MADSGPAGGAALAAPAPGPGSGSTGPRVYFQSPPGAAGEGPGGADDDGPVRRQKVTVKYDRKELRKRLN  
LEEWILEQLTRL YDCQEEEIPELEIDVDELLDMESDDTRAARVKELLVDCYKPTFAFISGLLDKIRGMQK  
LSTPQKK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI





<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_172045.1, NP_742042.1</u>
<b>RefSeq Size:</b>	745 bp
<b>RefSeq ORF:</b>	444 bp
<b>Locus ID:</b>	259225
<b>UniProt ID:</b>	<u>Q8K3F3</u>
<b>Cytogenetics:</b>	1q43
<b>MW:</b>	16 kDa
<b>Gene Summary:</b>	inhibitor for protein type-1 phosphatase (PP1) and myosin light-chain phosphatase (MLCP); substrate of protein kinase C (PKC) [RGD, Feb 2006]