

Product datasheet for **MG201005**

PPP1R14B (BC082545) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1r14b (BC082545) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ppp1r14b
Synonyms: PHI-1, AOM172, PLCB3N
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG201005 representing BC082545
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGGACAGCGCCCCCGGGGGCGCGCGCTTAGCTGCCCGGCCCGGGCCGGCAGTGGCAGCA
 CAGGGCCCCGAGTCTACTTCCAGAGTCCCCCTGGGCGCAGGCGAAGGCCCGGGGGCGCTGATGACGA
 TGGCCCGGTGAGACGGCAAGGGAAGTCAACGTCAGTACGACCGCAAGGAGCTACGGAAGCGCCTCAAC
 CTGGAGGAGTGGATTTTAGAACAGCTCACGCGACTCTACGACTGCCAGGAGGAGATCCCGGAGCTCG
 AGATAGATGTGGATGAACCTTTAGACATGGAGAGTATGATACCCGGGCTGCTAGGTCAAGGAGCTGTT
 AGTTGACTGTTACAAACCACTGAGGCCTTCATCTCTGGCTGCTGGACAAGATCCGGGGCATGCAGAAG
 CTGAGCACACCCAGAAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG201005 representing BC082545
 Red=Cloning site Green=Tags(s)

MADSGPAGGAALAAPAPGPGSGSTGPRVYFQSPPGAAGEGPGGADDGPVRRQGVTVKYDRKELRKRLN
 LEEWILEQLTRL YDCQEEEEIPELEIDVDELDMESDDTRAARVKELLVDCYKPTAFISGLLDKIRGMQK
 LSTPQKK

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

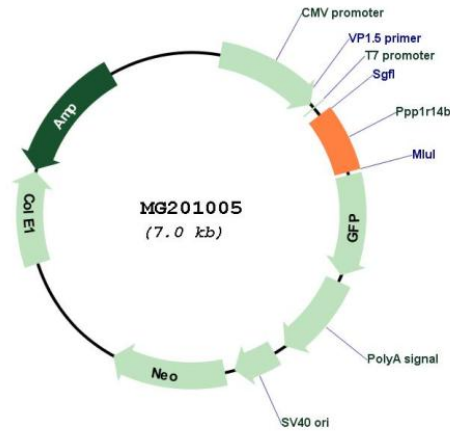


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Cloning Scheme:



Plasmid Map:



ACCN: BC082545

ORF Size: 443 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:	<u>BC082545</u> , <u>AAH82545</u>
RefSeq Size:	929 bp
RefSeq ORF:	443 bp
Locus ID:	18938
Cytogenetics:	19 A
Gene Summary:	Inhibitor of PPP1CA. Has over 50-fold higher inhibitory activity when phosphorylated. [UniProtKB/Swiss-Prot Function]