

Product datasheet for **RG211763**

PPP1R14D (NM_017726) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PPP1R14D (NM_017726) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PPP1R14D
Synonyms: CPI17-like; GBPI-1; GBPI1
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG211763 representing NM_017726
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCTGTCTTCAAGCCCTGCTTCTGCACATCTCCAGCCCAGATGGGAGAACCCATGTAAGAAGGTCC
 ACTGGGCTTCTGGGAGGAGAAGGACATCATCCACAGACTCAGAGTCCAAGTCCACCCGGACTCTCCAA
 GATACCCAGGTCCCGGAGACCCAGCCGCCTGACAGTGAAGTATGACCGGGCCAGCTCCAGCGCTGGCTG
 GAGATGGAGCAATGGGTGGATGCTCAAGTTCAGGAGCTTTCAGGATCAAGCAACCCCTTCTGAGCCTG
 AGATTGACCTGGAAGCTCTCATGGATCTATCCACAGAGGAGCAGAAGACTCAGCTGGAGGCCATTCTTGG
 GAACTGCCCCCGCCACAGAGGCTTTTATCTCTGAGCTGCTCAGTCAACTCAAGAACTCCGGAGACTC
 AGCCGGCCTCAGAAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG211763 representing NM_017726
 Red=Cloning site Green=Tags(s)

MLSSSPASCTSPSPDGENPCKKVHWASGRRRSTSSTDESKSHPDSSKIPSRRPSRLTVKYDRGQLQRWL
 EMEQWVAQVQELFQDQATPSEPEIDLEALMDLSTEEQKTQLEAILGNCPRPTEAFISELLSQLKKLRRL
 SRPQK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:



ACCN: NM_017726

ORF Size: 435 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_017726.8](#)

RefSeq Size: 799 bp

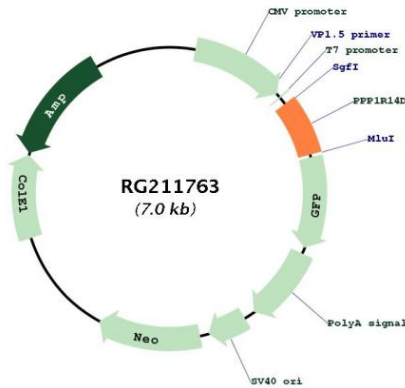
RefSeq ORF: 438 bp

Locus ID: 54866

UniProt ID: [Q9NXH3](#)

Cytogenetics:	15q15.1
Protein Families:	Druggable Genome
Gene Summary:	Protein phosphatase-1 (PP1; see MIM 176875) is a major cellular phosphatase that reverses serine/threonine protein phosphorylation. PPP1R14D is a PP1 inhibitor that itself is regulated by phosphorylation (Liu et al., 2004 [PubMed 12974676]).[supplied by OMIM, Feb 2010]

Product images:



Circular map for RG211763