

Product datasheet for **SC304518**

PPP1R14D (NM_017726) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R14D (NM_017726) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R14D
Synonyms:	CPI17-like; GBPI-1; GBPI1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304518 representing NM_017726. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGCTGTCTTCAAGCCCTGCTTCTGCACATCTCCAGCCAGATGGGAGAACCATGTAAGAAGGTC
 CACTGGGCTTCTGGGAGGAGAAGGACATCATCCACAGACTCAGAGTCCAAGTCCACCCGGACTCCTCC
 AAGATACCCAGGTCCCGGAGACCCAGCCGCTGACAGTGAAGTATGACCGGGCCAGCTCCAGCGCTGG
 CTGGAGATGGAGCAATGGGTGGATGCTCAAGTTCAGGAGCTCTCCAGGATCAAGCAACCCCTTCTGAG
 CCTGAGATTGACCTGGAAGCTCTCATGGATCTATCCACAGAGGAGCAGAAGACTCAGCTGGAGGCCATT
 CTTGGAACTGCCCGGCCACAGAGGCTTTTATCTCTGAGCTGCTCAGTCAACTCAAGAACTCCGG
 AGACTCAGCCGGCCTCAGAA**TAA**
ACGCGTACGCGGCCGCTCGAGCAGAA**ACT**CATCTCAGAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_017726
Insert Size:	438 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).


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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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>NM_017726.7</u>
RefSeq Size:	764 bp
RefSeq ORF:	438 bp
Locus ID:	54866
UniProt ID:	<u>Q9NXH3</u>
Cytogenetics:	15q15.1
Protein Families:	Druggable Genome
MW:	16.5 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) lacks an exon in the coding region, compared to variant 2, resulting in a frameshift and a protein (isoform 1) with a truncated C-terminus, compared to isoform 2.</p>