

Product datasheet for SC120521

PPP1R14C (NM_030949) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R14C (NM_030949) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R14C
Synonyms:	CPI17-like; KEPI; NY-BR-81
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC120521 representing NM_030949. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGTCGGTGGCGACGGGACGAGCAGCGAGCGGCCGGGCGGCCAGCGCGGCCGCGCACGGGTTTTCTTC
 CAAAGCCCCCGGGTGGCGCCGGTGGCAGCCCCGGCTCCAGCAGCGGCTCAGGCTCCTCCGGGAGGAC
 TCGGCGCCCGTGGCCACGGCGCCGCTGCAGGGCAGGTTTCAGCAGCAACAGCAGCGGCGACACCAGCAG
 GGAAAAGTGACAGTGAATACGATCGTAAGGAGCTTCGGAAGCGGCTGGTGTGGAGGAATGGATCGTG
 GAGCAGCTGGGTGAGCTCTACGGCTGCGAGGAAGAAGAAATGCCAGAGGTAGAAATTGACATTGATGAT
 CTTCTTGATGCAGACAGTGATGAAGAGAGAGCTTCAAATACAGGAAGCTCTTGAGACTGCTACAAA
 CCAACAGAGGAATTTATCAAAGAGCTGCTTCTCGGATAAGAGGCATGAGGAACTGAGCCCTCCGAG
 AAGAAGAGTGTATGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Chromatograms: https://cdn.origene.com/chromatograms/mk8074_c03.zip

Restriction Sites: SgfI-MluI

ACCN: NM_030949

Insert Size: 498 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).



[View online »](#)

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_030949.1</u>
RefSeq Size:	2211 bp
RefSeq ORF:	498 bp
Locus ID:	81706
UniProt ID:	<u>Q8TAE6</u>
Cytogenetics:	6q25.1
Domains:	PP1_inhibitor
Protein Families:	Druggable Genome
MW:	17.8 kDa
Gene Summary:	The degree of protein phosphorylation is regulated by a balance of protein kinase and phosphatase activities. Protein phosphatase-1 (PP1; see MIM 176875) is a signal-transducing phosphatase that influences neuronal activity, protein synthesis, metabolism, muscle contraction, and cell division. PPP1R14C is an inhibitor of PP1 (Liu et al., 2002 [PubMed 11812771]).[supplied by OMIM, Feb 2010]