

Product datasheet for **SC310683**

PP4R4 (PPP4R4) (NM_020958) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PP4R4 (PPP4R4) (NM_020958) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP4R4
Synonyms:	CFAP14; KIAA1622; PP4R4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310683 representing NM_020958. Blue=Insert sequence Red=Cloning site Green=Tag(s)

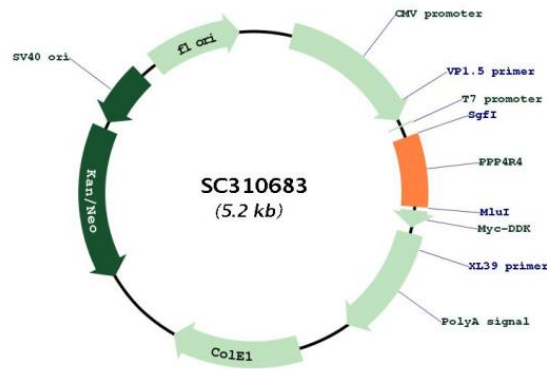
```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGCATCCGCCGCCGCCGCCGCCGATGGATTT CAGTCAGAACAGCCTGTTTCGGTTACATGGAGGAC
CTGCAGGAGCTCACCATCATCGAGAGGCCGGTCCGCCGGAGCCTCAAGACACCGGAAGAAATAGAAAGA
TTGACAGTCGATGAAGACCTCAGTGATATTGAAAGGGCTGTTTATCTGCTCAGTGCTGGTCAAGATGTC
CAAGGAACAAGTGTGATTGCAAATCTCCATTTT GATGCGACAGAATCCCACTGAGACGCTTCGGAGA
GTGTTGCCAAAAGTCAGAGTCCATGAGGATGCACACTTATTTATCCAGAGAGTATGGATCTCACATATG
TTTGTCAGAGGGTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: Sgfl-MluI



[View online »](#)

Plasmid Map:



ACCN: NM_020958

Insert Size: 363 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).

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:

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_020958.2](#)

RefSeq Size: 923 bp

RefSeq ORF: 363 bp

Locus ID: 57718

UniProt ID: [Q6NUP7](#)

Cytogenetics: 14q32.12-q32.13

Protein Families: Phosphatase

MW: 13.9 kDa

Gene Summary: The protein encoded by this gene is a HEAT-like repeat-containing protein. The HEAT repeat is a tandemly repeated, 37-47 amino acid long module occurring in a number of cytoplasmic proteins. Arrays of HEAT repeats form a rod-like helical structure and appear to function as protein-protein interaction surfaces. The repeat-containing region of this protein has some similarity to the constant regulatory domain of the protein phosphatase 2A PR65/A subunit. The encoded protein binds protein serine/threonine phosphatase 4c in the cytoplasm. [provided by RefSeq, Jan 2017]

Transcript Variant: This variant (2) differs in the 3' UTR and coding sequence compared to variant 1, resulting in a shorter isoform (2) that has a distinct C-terminus lacking HEAT-like repeats.