

## Product datasheet for **SC322988**

### PPP6C (NM\_001123355) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP6C (NM_001123355) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP6C
Synonyms:	PP6; PP6C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322988 representing NM_001123355. Blue=Insert sequence Red=Cloning site Green=Tag(s)

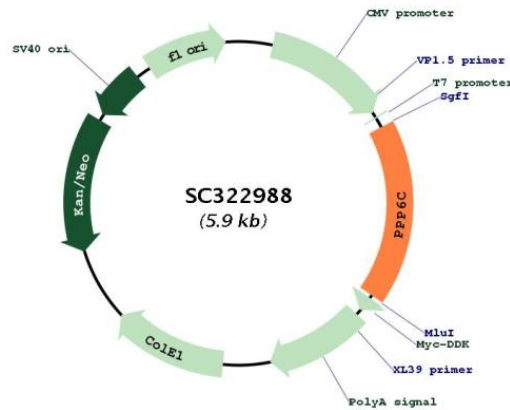
```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCGCCGCTAGACCTGGACAAGTATGTGAAATAGCGCGGCTGTGCAAGTACCTGCCAGAGAACGAC
CTGAAGGTGAGCCCTATTTGCGGGCTCGCCCTTCCGGCTGTGGGGCGCCCGCCGGCCGCTTCTT
TCTCCAGGACCCCGCCGGTATTTCAATTTCTTCGTTTTCTAAAGGAGCGGCTATGTGACTACGTTTGT
GACCTCCTCTTAGAAGAGTCAAATGTTCCAGCCAGTATCAACACCAGTAACAGTGTGTGGAGATATCCAT
GGACAGTTTTATGACCTTTGTGAAGTTCAGAACTGGAGGTGAGTTCCCTGACACAACTACATATTT
ATGGGTGATTTGTAGACAGAGTTACTATAGTTTGGAGACCTTCACTTACCTTCTGCATTAAGGCT
AAATGGCCTGATCGTATTACATTTTGGGAGAAATCATGAGAGTAGACAGATAACACAGGCTATGGA
TTTTATGATGAGTGCCAAACCAATATGAAATGCTAATGCCTGGAGATACTGTACCAAAGTTTTGAC
ATGCTCACAGTAGCAGCTTAAATAGATGAGCAGATTTTGTGTCCATGGTGGTTTATCTCCTGATATC
AAAACACTGGATCAAATTCGAACCATCGAACGGAATCAGGAAATTCCTCATAAAGGAGCATTTTGTGAT
CTGGTTTGGTCAGATCCTGAAGATGTGGATACCTGGGCTATCAGTCCCGAGGAGCAGGTTGGCTTTTT
GGAGCAAAGGTCACAAATGAGTTTGTTCATATCAACAACCTAAACTCATCTGCAGAGCAGATCAACTA
GTGCACGAAGGCTATAAATTTATGTTTGTGAGAAGCTGGTGACAGTATGGTCTGCTCCTAATACTGC
TATCGTTGTGAAATATTGCTTCGATCATGGTCTTCAAAGATGTAATACAAGAGAACCAAGTTATTC
CGGGCAGTTCAGATTCAGAACGTGTTATTCCTCCAGAACGACACGCCATATTTCTTTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
```

Restriction Sites: SgfI-MluI



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Plasmid Map:



ACCN: NM\_001123355

Insert Size: 1029 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\\_001123355.1](#)

RefSeq Size: 4367 bp

RefSeq ORF: 1029 bp

Locus ID: 5537

UniProt ID: [O00743](#)

Cytogenetics: 9q33.3

Protein Families: Druggable Genome, Phosphatase

MW: 38.9 kDa

**Gene Summary:** This gene encodes the catalytic subunit of protein phosphatase, a component of a signaling pathway regulating cell cycle progression. Splice variants encoding different protein isoforms exist. The pseudogene of this gene is located on chromosome X. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) is the longest transcript; it encodes the longest isoform (a).  
Sequence Note: The RefSeq transcript and protein were derived from genomic sequence and transcripts to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.