

## Product datasheet for **RC202684**

### PPP6C (NM\_002721) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP6C (NM_002721) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP6C
Synonyms:	PP6; PP6C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC202684 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCCGCTAGACCTGGACAAGTATGTGAAATAGCGCGGCTGTGCAAGTACCTGCCAGAGAACGACC  
TGAAGCGGCTATGTGACTACGTTTGTGACCTCCTCTTAGAAGAGTCAAATGTTTCAGCCAGTATCAACACC  
AGTAACAGTGTGTGGAGATATCCATGGACAGTTTTATGACCTTTGTGAAGTTCAGAACTGGAGGTCAG  
GTTCTGACACAACTACATATTTATGGGTGATTTGTAGACAGAGGTTACTATAGTTTGGAGACCTTCA  
CTTACCTTCTTGCAATAAAGGCTAAATGGCCTGATCGTATTACACTTTTGGCAGGAAATCATGAGAGTAG  
ACAGATAACACAGGTCTATGGATTTTATGATGAGTGCCAAACCAATATGGAAATGCTAATGCCTGGAGA  
TACTGTACCAAAGTTTTGACATGCTCACAGTAGCAGCTTAAATAGATGAGCAGATTTTGTGTGCCATG  
GTGGTTTATCTCCTGATATCAAAACACTGGATCAAATTCGAACCATCGAACGGAATCAGGAAATTCCTCA  
TAAAGGAGCATTTTGTGATCTGGTTTGGTCAGATCCTGAAGATGTGGATACCTGGGCTATCAGTCCCCGA  
GGAGCAGGTTGGCTTTTGGAGCAAAGGTCACAAATGAGTTTGTTCATATCAACAACTTAAACTCATCT  
GCAGAGCATCAACTAGTGCACGAAGGCTATAAATTTATGTTTGATGAGAAGCTGGTGACAGTATGGTC  
TGCTCCTAATTACTGCTATCGTTGTGAAATATGCTTCGATCATGGTCTTCAAAGATGTAATACAAGA  
GAACCAAAGTTATCCGGGCAGTTCAGATTCAGAACGTGTTATTCCTCCAGAACGACAACGCCATATT  
TCCTT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC202684 protein sequence  
 Red=Cloning site Green=Tags(s)

MAPLDDLDKYVEIARLCKYLPENDLKRLCDYVCDLLLEESNVQPVSTPVTVCGDIHQFYDLCELFRITGGQ  
 VPDTNYIFMGDFVDRGYYSLETFYLLALKAKWPDRITLLRGNHESRQITQVYGFYDECQTKYGNANAWR  
 YCTKVFDMLTVAALIDEQILCVHGGSPDIKTLTLDQIRTIERNQEIPHKGAFCDLVWSDPEDVDTWAI SPR  
 GAGWLFGAKVTNEFVHINNKLICRAHQLVHEGYKFMFDEKLVTVSAPNYCYRCGNIASIMVFKDVNTR  
 EPKLFRAVPDSERVIPRRTTTPYFL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6079\\_a12.zip](https://cdn.origene.com/chromatograms/mk6079_a12.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_002721

**ORF Size:** 915 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\\_002721.5](#)

**RefSeq Size:** 4256 bp

**RefSeq ORF:** 918 bp

**Locus ID:** 5537

**UniProt ID:** [O00743](#)

**Cytogenetics:** 9q33.3

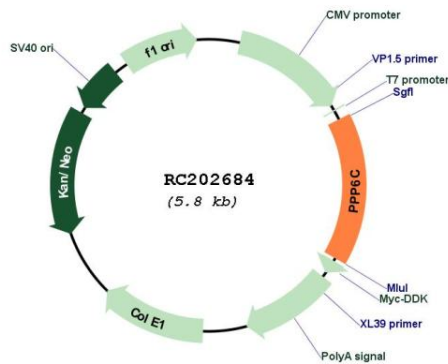
**Domains:** Metallophos, PP2Ac

**Protein Families:** Druggable Genome, Phosphatase

**MW:** 35.1 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]

## Product images:



Circular map for RC202684