

Product datasheet for **RG202684**

PPP6C (NM_002721) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP6C (NM_002721) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP6C
Synonyms:	PP6; PP6C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202684 representing NM_002721 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCCGCTAGACCTGGACAAGTATGTGAAATAGCGCGGCTGTGCAAGTACCTGCCAGAGAACGACC
TGAAGCGGCTATGTGACTACGTTTGTGACCTCCTCTTAGAAGAGTCAAATGTTTCAGCCAGTATCAACACC
AGTAACAGTGTGTGGAGATATCCATGGACAGTTTTATGACCTTTGTGAAGTTCAGAACTGGAGGTCAG
GTTCTGACACAACTACATATTTATGGGTGATTTTGTAGACAGAGGTTACTATAGTTTGGAGACCTTCA
CTTACCTTCTTGCAATTAAGGCTAAATGGCCTGATCGTATTACACTTTTGCAGGAAATCATGAGAGTAG
ACAGATAACACAGGTCTATGGATTTTATGATGAGTGCCAAACCAATATGGAAATGCTAATGCCTGGAGA
TACTGTACCAAAGTTTTGACATGCTCACAGTAGCAGCTTAAATAGATGAGCAGATTTTGTGTGCCATG
GTGGTTTATCTCCTGATATCAAAACACTGGATCAAATTCGAACCATCGAACGGAATCAGGAAATTCCTCA
TAAAGGAGCATTTTGTGATCTGGTTTGGTCAGATCCTGAAGATGTGGATACCTGGGCTATCAGTCCCCGA
GGAGCAGGTTGGCTTTTGGAGCAAAGGTCACAAATGAGTTTGTTCATATCAACAACTTAAACTCATCT
GCAGAGCATCAACTAGTGCACGAAGGCTATAAATTTATGTTTGTGATGAGAAGCTGGTGACAGTATGGTC
TGCTCCTAATAACTGCTATCGTTGTGAAATATGCTTCGATCATGGTCTCAAAGATGTAATAACAAGA
GAACCAAAGTTATCCGGGCAGTTCAGATTCAGAACGTGTTATTCCTCCAGAACGACAACGCCATATT
TCCTT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG202684 representing NM_002721
 Red=Cloning site Green=Tags(s)

MAPLDDKYYVEIARLCKYLPENDLKRLCDYVCDLLLEESNVQPVSTPVTVCVDIHGQFYDLCELFRITGGQ
 VPDTNYIFMGDFVDRGYYSLETFTYLLALKAKWPDRITLLRGNHESRQITQVYGFYDECQTKYGNANAWR
 YCTKVFDMLTVAALIDEQILCVHGGGLSPDIKTLDQIRTIERNQEIHPHGAFCDLVWSDPEDVDTWAI SPR
 GAGWLFGAKVTNEFVHINNKLICRAHQLVHEGYKFMFDEKLVTVWSAPNYCYRCGNIASIMVFKDVNTR
 EPKLFRAVPDSERVIPRRTTTPYFL

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



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: 1563 bp

RefSeq ORF: 918 bp

Locus ID: 5537

UniProt ID: [O00743](#)

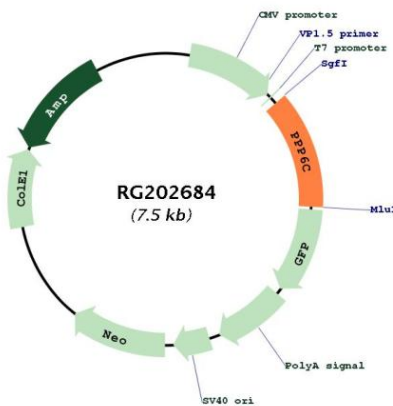
Cytogenetics: 9q33.3

Domains: Metallophos, PP2Ac

Protein Families: Druggable Genome, Phosphatase

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 RG202684