

Product datasheet for **RG204999**

PC4 (SUB1) (NM_006713) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PC4 (SUB1) (NM_006713) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PC4
Synonyms: p14; P15; PC4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG204999 representing NM_006713
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGCCTAAATCAAAGGAACCTGTTTCTTCAAGCTCTTCTGGCAGTGATTCTGACAGTGAGGTTGACAAAA
 AGTTAAAGAGGAAAAAGCAAGTTGCTCCAGAAAAACCTGTAAAGAAACAAAAGACAGGTGAGACTTCGAG
 AGCCCTGTCATCTTCTAAACAGAGCAGCAGCAGCAGAGATGATAACATGTTTCAGATTGGGAAAATGAGG
 TACGTTAGTGTTTCGGATTTTAAAGCAAAGTCTAATTGATATTAGAGAATATTGGATGGATCCTGAAG
 GTGAAATGAAACCAGGAAGAAAAGTATTTCTTTAAATCCAGAACAATGGAGCCAGCTGAAGGAACAGAT
 TTCTGACATTGATGATGCAGTAAGAAAACCTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG204999 representing NM_006713
 Red=Cloning site Green=Tags(s)
 MPKSKELVSSSSGSDSDSEVDKLLKRKKQVAPEKPVKKQKTGETSRALSSSKQSSSRDDNMFQIGKMR
 YVSVRDFKGVLLIDIREYWM DPEGEMKPRKGISLNPEQWSQLKEQISDIDDAVRKL

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:



ACCN: NM_006713

ORF Size: 381 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.

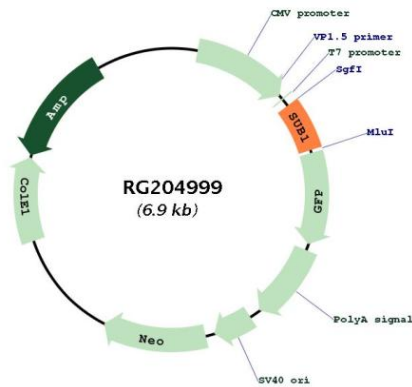
RefSeq: [NM_006713.4](#)

RefSeq Size: 1336 bp

RefSeq ORF: 384 bp

Locus ID: 10923
UniProt ID: [P53999](#)
Cytogenetics: 5p13.3
Domains: PC4
Protein Families: Transcription Factors
Gene Summary: General coactivator that functions cooperatively with TAFs and mediates functional interactions between upstream activators and the general transcriptional machinery. May be involved in stabilizing the multiprotein transcription complex. Binds single-stranded DNA. Also binds, in vitro, non-specifically to double-stranded DNA (ds DNA).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG204999