

Product datasheet for RC205183

PCNP (NM 020357) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: PCNP (NM_020357) Human Tagged ORF Clone

Tag: Myc-DDK

Symbol: PCNP

Mammalian Cell

Selection:

Neomycin

Vector:pCMV6-Entry (PS100001)E. coli Selection:Kanamycin (25 ug/mL)ORF Nucleotide>RC205183 ORF sequence

Sequence: Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC

GCCGCGATCGCC

ATGGCGGACGGGAAGGCGGAGACGAGAAGCCTGAAAAGTCGCAGCGAGCTGGAGCCGCCGGAGGACCTG
AAGAAGAAGCAGAAAAACCTGTGAAAAACTAAGACTGTTTCTTCCAGTAATGGAGGGGAAAAGTTCCAGTCG
CAGCGCTGAGAAGCGATCAGCTGAAGAAGAAGCTGCCGACCTCCCAACAAAGCCTACAAAGATCTCCAAG
TTTGGATTTGCCATAGGTAGTCAGACGACAAAAGAAAGCATCAGCCATATCCATCAAACTTGGATCAAGTA
AGCCTAAAGAAACTGTTCCAACTCTTGCTCCAAAAACTCTTTCAGTAGCAGCAGCTTTTAATGAAGATGA
AGATAGTGAACCAGAGGAAATGCCTCAAGAAGCAAAGATGAGGATGAAGAATATTGGAAGGGATACACCA
ACATCAGCTGGACCAAACTCATTCAATAAAGGAAAGCATGGGTTTTCTGATAACCAGAAGCTGTGGGAGC

GAAATATAAAATCTCATCTTGGAAATGTCCATGACCAAGACAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT

ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205183 protein sequence

Red=Cloning site Green=Tags(s)

MADGKAGDEKPEKSQRAGAAGGPEEEAEKPVKTKTVSSSNGGESSSRSAEKRSAEEEAADLPTKPTKISK FGFAIGSQTTKKASAISIKLGSSKPKETVPTLAPKTLSVAAAFNEDEDSEPEEMPQEAKMRMKNIGRDTP

TSAGPNSFNKGKHGFSDNQKLWERNIKSHLGNVHDQDN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6314 d07.zip

Restriction Sites: Sgfl-Mlul



OriGene Technologies, Inc. 9620 Medical Center Drive, Ste 200

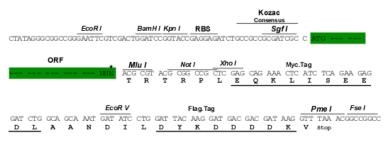
CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF

ACCN: NM_020357

ORF Size: 534 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with

0.22um filter is required.

RefSeq: <u>NM 020357.3</u>

RefSeq Size: 2250 bp
RefSeq ORF: 537 bp
Locus ID: 57092



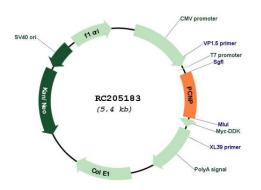
UniProt ID: Q8WW12

Cytogenetics: 3q12.3

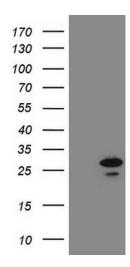
MW: 19 kDa

Gene Summary: May be involved in cell cycle regulation.[UniProtKB/Swiss-Prot Function]

Product images:

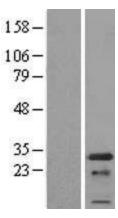


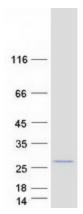
Circular map for RC205183



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PCNP (Cat# RC205183, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PCNP (Cat# [TA808827])(1:2000). Positive lysates [LY412527] (100ug) and [LC412527] (20ug) can be purchased separately from OriGene.







Western blot validation of overexpression lysate (Cat# [LY412527]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205183 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified PCNP protein (Cat# [TP305183]). The protein was produced from HEK293T cells transfected with PCNP cDNA clone (Cat# RC205183) using MegaTran 2.0 (Cat# [TT210002]).