

Product datasheet for **RC231708**

PCP2 (NM_001271830) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	PCP2
Synonyms:	GPSM4
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC231708 representing NM_001271830
Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**

ATGGCGGGCTCCCCAGACCAGGAGGGCTTCTTCAATCTGCTGAGCCACGTGCAGGGCGACCGGATGGAGG
GACAGCGCTGTCACTGCAAGCCGGGCGGGCCAGACCACCAAGAGCCAGAGCGACCCACCCCGAGAT
GGACAGCCTCATGGACATGCTGGCCAGTACCCAGGGCCGCCGATGGATGACCAACGTGTGACAGTCAGC
AGCCTGCCCGGCTTCCAGCCCGTGGGTCCAAGGACGGAGCACAGAAACGAGCTGGGACCCCTCAGTCCCC
AACCCTGCTCAGCCCTCAGGACCCGACCGCTCTCGGCTTCGTCGGAACAGCAGCCCCAGCCCCGAC
ACAAGCCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTAA

Protein Sequence: >RC231708 representing NM_001271830
Red=Cloning site Green=Tags(s)

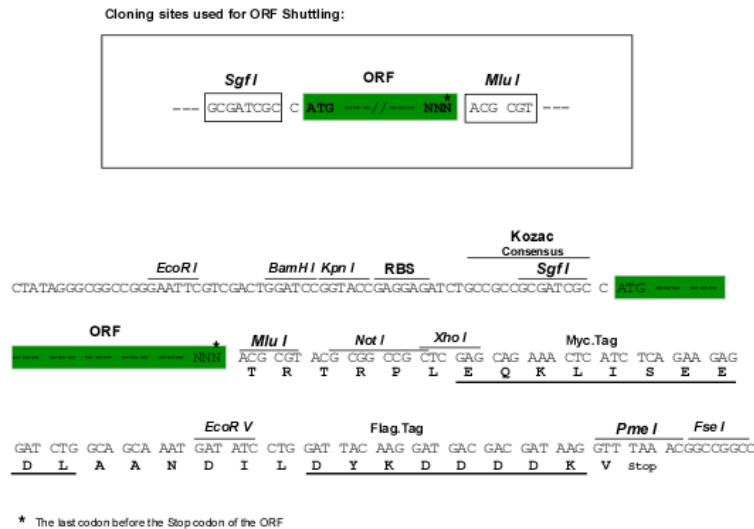
MAGSPDQEGFFNLLSHVQGRMEGQRCSLQAGPGQTTKSQSDPTPEMDSLMDMLASTQGRRMDDQRVTVS
SLPGFPVGSKDGAQKRAGTLPQPLLTPQDPTALGFRNSSPQPPTQAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:



ACCN: NM_001271830

ORF Size: 360 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).

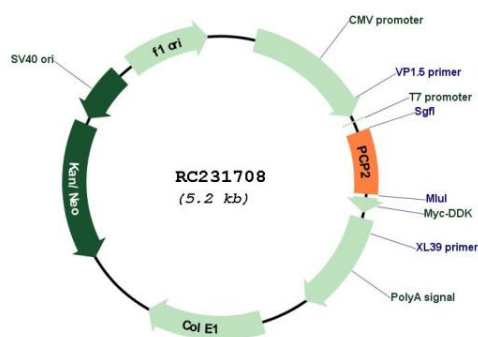
Reconstitution Method:

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_001271830.2</u>
RefSeq Size:	507 bp
RefSeq ORF:	363 bp
Locus ID:	126006
UniProt ID:	<u>Q8IVA1</u>
Cytogenetics:	19p13.2
MW:	13.3 kDa
Gene Summary:	May function as a cell-type specific modulator for G protein-mediated cell signaling. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC231708