

Product datasheet for **RC226366**

RPGRIP1L (NM_001127897) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPGRIP1L (NM_001127897) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: RPGRIP1L
Synonyms: COACH3; CORS3; FTM; JBTS7; MKS5; NPHP8; PPP1R134
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC226366 representing NM_001127897
Red=Cloning site Blue=ORF Green=Tags(s)

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ACATGCTAATTATGCAACACAAAATTAATAAAGATTATCAGATGGAGGTTGAGGCAGTGACCCGTAAGAT
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Protein Sequence: >RC226366 representing NM_001127897
 Red=Cloning site Green=Tags(s)

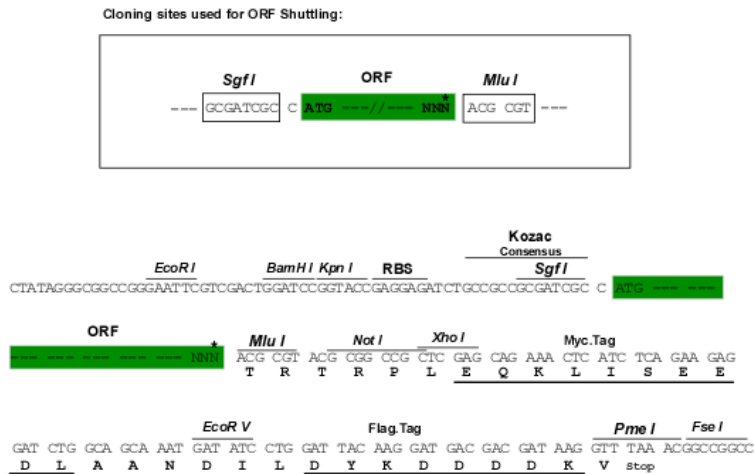
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Restriction Sites:

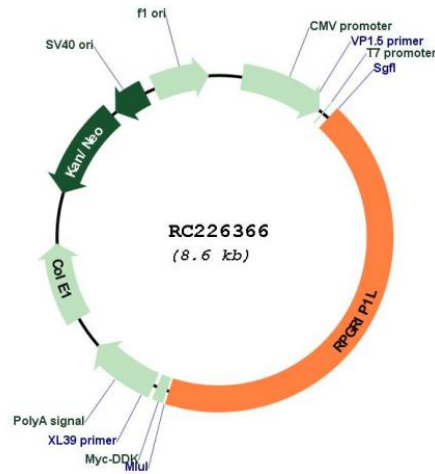
SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001127897

ORF Size: 3705 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_001127897.4](#)

RefSeq ORF: 3708 bp

Locus ID: 23322

UniProt ID: [Q68CZ1](#)

Cytogenetics: 16q12.2

MW: 142.6 kDa

Gene Summary:

The protein encoded by this gene can localize to the basal body-centrosome complex or to primary cilia and centrosomes in ciliated cells. The encoded protein has been found to interact with nephrocystin-4. Defects in this gene are a cause of Joubert syndrome type 7 (JBTS7) and Meckel syndrome type 5 (MKS5). [provided by RefSeq, Jun 2016]