

Product datasheet for **SC304280**

RPGRIP1L (NM_015272) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPGRIP1L (NM_015272) Human Untagged Clone
Tag: Tag Free
Symbol: RPGRIP1L
Synonyms: COACH3; CORS3; FTM; JBTS7; MKS5; NPHP8; PPP1R134
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_015272, the custom clone sequence may differ by one or more nucleotides

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ATGTCTGGTCCAACCTGATGAGACTGCAGGAGACTTGCCTGTGAAAGATACAGGTCTAAAC
CTCTTTGGAATGGGAGGGTTACAAGAACTTCAACAACACGGACAATGAAGTCTCGCCAG
GCAGTGTACAGTGTGAGTGTGAGGAACTGGAAGACAGATTTTTGCGTTTGCATGATGAG
AACATTTACTTAAACAGCATGCCCGCAAGCAGGAGGATAAAATTTAAAGAATGGCCACC
AAGTTAATACGGCTAGTTAATGACAAGAAAAGATATGAGCGGGTTGGTGGCGGCCCAAG
CGGCTGGGACGAGATGTGAAAATGGAAGAAATGATTGAGCAGCTGCAAGAGAAAGTTCAT
GAGCTTAAAAACAAAATGAAACCTCAAAAACAGACTGATTTTCAGCCAAACAGCAACTT
CAAACCCAGGGTTACAGGCCAACTCCATACAATAATGTACAATCTCGTATTAACACTGGG
CGTAGAAAAGCAAATGAAAATGCTGGTTTACAGGAATGCCCCAGGAAAGGTATAAAAATTC
CAAGATGCAGATGTAGCAGAAAATCCACATCCCATGTTTACAAAAATATGGCAACAGTTTA
CTTGAAGAAGCCAGAGGAGAAAATAAGAAATTTAGAAAACGTTATTCAGTCAAAAAGAGGC
CAGATAGAGGAGTTAGAGCACTTGGCTGAGATCCTGAAAACCTCAGTTGAGGAGAAAAGAA
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AATATTCGGGACAATGTAGAAAATGATTAAGCTTCATAAACAGCTAGTAGAGAAAAGCAAT
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ATCAGCCACGATGCTTTGATGGCAAATGGGGATGAATTAACATGCAACTTAAAGAGCAG
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CTTAAAAAACGCATAAAATGTACAACCAGGAGAATGATATTAATGCTGATGAATTGAGT
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ACTCATGCAGAAAACGGTGAAGAGCTGGAAAAGACAAGAAAACATGCTAATTATGCAACAC
AAAATTAATAAGATTATCAGATGGAGGTTGAGGCAGTGACCCGTAAGATGGAAAATTTG
CAGCAAGATTATGAACTCAAAGTGAACAGTATGTTTCATCTTCTGATATCAGGGCTGCA
CGTATCCATAAACTAGAAGCCCAATTAAGGATATTGCCTATGGCACCAGCAGTACAAA
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TTTAAACCAGAAATCATGCCAGATGACTCTGTTGATGAATTTGATGAAACCATCCACTTA
 GAACGAGGCGAAAATCTATTTGAAATCCATATCAACAAAGTAACCTTTTCTTCTGAAGTT
 TTACAGGCATCTGGAGATAAAGAGCCTGTCACTTTCTGTACCTATGCTTTCTATGATTTT
 GAACTACAGACAACTCCCGTAGTGCAGGCCTTCATCCCGAATAAATTCACTTCTCAA
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 GAAGATGAAACAGAAATAACAGAGGACTTGAACCAGAAGTTGAAGAGGACATGTCAGCT
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 CCGGGTCCAGCGATTTTCTGCCTCAGCCTCCCAAGTAGATGGGATTACAGGTGCCTGC
 CACCACCCAGCCATCAGAAAAAATTCGGATTGAGATCATAGCTTAAGCCTTAATGAT
 TCTCAAGTAACCATGGATGACACTATCCAACGGCTGTTTGTGAGTGTGATTCTACAGT
 CTTCTGTGAAGAGACCCCGTGTCACTTCCAAAACCAAGAGTGGGCAGTGGGTCTAC
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 AGTGACCTCCAGAGGACGAGCAGGACCTGGAGTGTGAGGACATTGGCGTGGCTCACGTC
 GACCTTGGCGACATGTTTCAGGAAGGGAGGACCTCATTGAGCAAAATATCGATGTTTTT
 GATGCACGAGCAGATGGTGAAGGTATTGGCAAGCTCAGGGTAACAGTCGAAGCTCTCCAT
 GCCCTCCAGTCTGTCTACAAGCAATACAGAGATGACTTGGAGGCTTGA

Restriction Sites:

Please inquire

ACCN:

NM_015272

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_015272.1](#), [NP_056087.1](#)

RefSeq Size: 5313 bp

RefSeq ORF: 3948 bp

Locus ID: 23322

UniProt ID: [Q68CZ1](#)

Cytogenetics: 16q12.2

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]
 Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.