

Product datasheet for **SC323269**

RPGRIP1L (NM_001127897) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: RPGRIP1L (NM_001127897) 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_001127897, the custom clone sequence may differ by one or more nucleotides

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ATGTCTGGTCCAACCTGATGAGACTGCAGGAGACTTGCCTGTGAAAGATACAGGTCTAAAC
CTCTTTGGAATGGGAGGTTACAAGAACTTCAACAACACGGACAATGAAGTCTCGCCAG
GCAGTGCACGTGCAGTCGTGAGGAACTGGAAGACAGATTTTTGCGTTTGCATGATGAG
AACATTTACTTAAACAGCATGCCCGCAAGCAGGAGGATAAAATTTAAAGAATGGCCACC
AAGTTAATACGGCTAGTTAATGACAAGAAAAGATATGAGCGGGTTGGTGGCGGCCCAAG
CGGCTGGGACGAGATGTGAAAATGGAAGAAATGATTGAGCAGCTGCAAGAGAAAGTTCAT
GAGCTTAAAAACAAAATGAAACCTCAAAAACAGACTGATTTCCAGCCAACAGCAACTT
CAAACCCAGGGTTACAGGCCAACTCCATACAATAATGTACAATCTCGTATTAACACTGGG
CGTAGAAAAGCAAATGAAAATGCTGGTTTACAGGAATGCCCCAGGAAAGGTATAAAATTC
CAAGATGCAGATGTAGCAGAAAATCCACATCCCATGTTTACAAAAATATGGCAACAGTTTA
CTTGAAGAAGCCAGAGGAGAAAATAAGAAATTTAGAAAACGTTATTCAGTCACAAAGAGGC
CAGATAGAGGAGTTAGAGCACTTGGCTGAGATCCTGAAAACCTCAGTTGAGGAGAAAAGAA
AATGAAATTGAGTTATCTCTTTCAGCTTCGAGAACAGCAAGCTACAGATCAAAGGTCA
AATATTCGGGACAATGTAGAAAATGATTAAGCTTCATAAACAGCTAGTAGAGAAAAGCAAT
GCTCTTTTCAGCAATGGAAGGAAAATTTATTCAGCTTCAAGAGAAGCAAAGAACTCTCAGA
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CGTTTAAAATGCTGCAGTCTTGAGAAAACAATTACATTCTATGAAGTTTTCTGAAAGAAGA
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ACAGACAAAACCTGAAATCCTTGACAGATTAAAAACCTGAAAGAGATCAAAATGAAAACCTC
GTTCAAGAGAATAGAGAACTACAGTTACAGTATCTGGAACAAAAGCAACAACCTTGATGAA
CTTAAAAAACGCATAAAATGTACAACCAGGAGAATGATATTAATGCTGATGAATTGAGT
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GTGAAAGTAGATAGTGAATTAATAAGATCTAGAACGCTCTATGAGAGAGCTGCAAGCA
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AAAATTAATAAGATTATCAGATGGAGGTTGAGGCAGTGACCCGTAAGATGGAAAATTTG
CAGCAAGATTATGAACTCAAAGTGAACAGTATGTTTCATCTTCTGATATCAGGGCTGCA
CGTATCCATAAACTAGAAGCCCAATTAAGGATATTGCCTATGGCACCAGCAGTACAAA
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TTTAAACCAGAAATCATGCCAGATGACTCTGTTGATGAATTTGATGAAACCATCCACTTA
GAACGAGGCGAAAATCTATTTGAAATCCATATCAACAAAGTAACCTTTTCTTCTGAAGTT
TTACAGGCATCTGGAGATAAAGAGCCTGTCACTTTCTGTACCTATGCTTTCTATGATTTT
GAACTACAGACAACTCCCGTAGTGCGAGGCCTTCATCCCGAATAAATTCACTTCTCAA
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GACCATCAAAAGCATCCTGCTGGCACCATCCATGTTATATTGAAATGGAATTTGCTTAC
CTTCCACCAAGTGGATCAATAACAACCTGAAGACTTAGGAAATTTTATTCCAGCGAAGAG
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AGACCTAAACCAAGACAACGTTTAAACACCTGTAGATAAGAAGGTATCTTTTCGTGGATATC
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GAGAAAATGCAGCAAGGAAAAGATGATGTGTCTTACTATCTGAAGGTCAGCTTGCAGAA
CAAAGCTTGGCATCTTCTGAAGATGAAACAGAAAATAACAGAGGACTTGGAAACCAGAAGTT
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TATAACTATAGCAATGTGATCTACGTGGATAAAGAAAACAACAAAGCAAAGAGAGACATC
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AGTGACCTCCAGAGGACGAGCAGGACCTGGAGTGTGAGGACATTGGCGTGGCTCACGTC
GACCTTGGCGACATGTTTTCAGGAAGGGAGGACCTCATTGAGCAAAATATCGATGTTTTT
GATGCACGAGCAGATGGTGAAGGTATTGGCAAGCTCAGGTAACAGTCGAAGCTCTCCAT
GCCTCCAGTCTGTCTACAAGCAATACAGAGATGACTTGGAGGCT

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- Restriction Sites:** Please inquire
- ACCN:** NM_001127897
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_001127897.1](#), [NP_001121369.1](#)

RefSeq Size: 5959 bp

RefSeq ORF: 3708 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 (2) lacks two alternate in-frame exons compared to variant 1. The resulting isoform (b) has the same N- and C-termini but is shorter compared to 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.