

Product datasheet for **SC304750**

RPGRIP1 (NM_020366) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPGRIP1 (NM_020366) Human Untagged Clone
Tag:	Tag Free
Symbol:	RPGRIP1
Synonyms:	CORD13; LCA6; RGI1; RGRIP; RPGRIP; RPGRIP1d
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_020366 edited

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ATGTCACATCTGGTGGACCCTACATCAGGAGACTTGCCAGTTAGAGACATAGATGCTATA
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AAGACCAGGGACATGCTTATTCTGCAGCGCAAAATCAACGTGTGTATCAGGAGGAACTG
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 ACTGAAGATTTGTTTTTCATGA

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_020366 unedited <pre> GGGTTCACGATTTTGTATACGACTCACTATAGGGACGGCCGCGAAATCATGTCACATCTG GTGGACCTTACATCAGGAGACTTGCCAGTTAGAGACATAGATGCTATACCTCTGGTGCTA CCAGCCTCAAAAGGTAAGAATATGAAAACCAACCACCTTGAGCAGGATGAACCGGGAG GAATTGGAGGACAGTTTCTTTTCGACTTCGCGAAGATCACATGTTGGTGAAGGAGCTTTCT TGGAAGCAACAGGATGAGATCAAAAGGCTGAGGACCACCTTGCTGCGGTTGACCGCTGCT GGCCGGGACCTGCGGGTCGCGGAGGAGGCGCGCGCTCTCGGAGACCGCAAGGCGCGGG CAGAAGGCGGGATGGCGGCAGCGCTCTCCATGCACAGCGCCCCAGATGCACCGACTG CAAGGGCATTTCCTGCGTTCGCGCCTGCCAGCCCCGCGCGCCAGCCTCGCGTCCAA GTGGGACACAGACAGCTCCACACAGCCGGTGACCGGTGCGGAGAAACCAAGAGGGGG CCAAGGGACAGGCTGAGCTACACAGCCCTCCATCGTTTAAGGAGCATGCGACAAATGAA AACAGAGGTGAAGTAGCCAGTAAACCCAGTGAACCTGTTTCTGTTCTAACAGCATAATT TCTTTACAGAGTGCATAAGTATGGCTAAACCCATTGGTCTATGCATGCCTAACAGTGCC CACATCATGGCCAGCAATACCATGCAAGTGAAGAGCCACCAAGTCTCCTGAGAAAATG TGGCCTANAGATGAAATTTTGAACAGAGAAGCTCATTGGAGTGTGCTCAGAAGGCTGCTG AGCTTCGAGCTTCCATTTAAGAGAAGTAGAGCTGATTCGACTTAAGAAGCTCTTACT </pre>
3' Read Nucleotide Sequence:	>OriGene 3' read for NM_020366 unedited <pre> NGGGCCATTGGANGATGGCACTTNCAGGNCCAGNAAAGCACTGGGGNAGGGTCACAGGG ATGCCACCCGGGATCTGTTCAGGAAACAGCTATGACCGCGGCCGCCCTTTTTTTTTTTTT TTTTTTTTTTTTTTCATGTTATAGCAAGCTAACTTTATAAAAGACTTTTTACTATGGTTC CCTCAAAGACTTTTAAATTGGAATAGCACTTGTTCCTTCATGAAAACAAATCTTCAGTCA TCTCCTTGTAATAGCATGGAGGACAGCAGCTGCTGAAGGGAAACCTTCAGCCTTCCTA TTGGGGTAGCCAGATCTTCAGGGCTAACAATGTCTAGCTCTTGCTCTAAATATCTCTTC CTGACTCCAGGATCTGCCACAGTTGAAAATATGCATATCCCACTTCTTCACATTTCTTCT TTTCTTCATCCAGAGGATCACTTACCACTGTAACTTTAAATGTCCTTGATCAGGATCTT GTCCATTACAGCATGTGCAACAGAAACCGCCTTCGGCCTTGCTGCTCCTGTGGGTCCAGGT CTATTACCTTGCTAAAGTGAAAGTGGATTCTTCTCCTGCCTAGGCTTCCTTAGGGACA CTGGAGTCTCTGTCTCCGACAAGGGTAGGTCGTAATAATTTGTACTCCACATACACCTGTT TTATGTTCTCATCAGACATCACTTCTGCCTCTGGGTAGAAGGCCAGGAGACAATTTCAA TGCACATCTTCTCTGAATCTGCCTTAGGATATTTCTGAGACATGGGTGGCACTATGACAT CATCACTGTGCGTAGTTTGTGCTTCACTGACTTCAGAACCTTGTCAGAGGATTCTTTGT CATTTACAGGATGTANNAGGTTCTTCTGTTTTTCAGGCTGAATGGGATN </pre>
Restriction Sites:	Please inquire
ACCN:	NM_020366
Insert Size:	3861 bp
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:	The open reading frame of this TrueClone was fully sequenced and found to be a perfect match to the protein associated to this reference.
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_020366.2 , NP_065099.2
RefSeq Size:	3861 bp
RefSeq ORF:	3861 bp
Locus ID:	57096
UniProt ID:	Q96KN7
Cytogenetics:	14q11.2
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a photoreceptor protein that interacts with retinitis pigmentosa GTPase regulator protein and is a key component of cone and rod photoreceptor cells. Mutations in this gene lead to autosomal recessive congenital blindness. [provided by RefSeq, Oct 2008]