

Product datasheet for **SC122356**

RPGRIP1 (BC039089) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	RPGRIP1 (BC039089) 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)



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Fully Sequenced ORF:

>OriGene sequence for BC039089 edited
 GTTATGAATAAAGCAAGGGCAGAAAAAACATGTAGGGGAGAGAAATGAGGAACTAGGTCC
 AGGAGATGCTGAAACTGGATAATAAAGACGTCATATCACACCCCTTGGGGTATCCATCTG
 AGAGCTTGCTTTCCATTGCCAGCATGCTGGACAGCAGTGACAGCTCCAGTCAGCCCCACT
 GGAGCAACGAGCTCATAGCGGAACAGCTACAGCAGCAAGTCTCTCAGCTGCAGGATCAGC
 TGGATGCTGAGCTGGAGGACAAGAGAAAAGTTTACTTGAGCTGTCCAGGGAGAAAGCCC
 AAAATGAGGATCTGAAGCTTGAAGTCACCAACATACTTCAGAAGCATAAACAGGAAGTAG
 AGCTCCTCCAAAATGCAGCCACAATTTCCCAACCTCCTGACAGGCAATCTGAACAGCCA
 CTCACCCAGCTGTATTGCAAGAGAACTCAGATCGAGCCAAGTGAACCCAAAAACCAAG
 AAGAAAAGAACTGTCCAGGTGCTAAATGAGTTGCAAGTATCACACGCAGAGACCACAT
 TGGAACTAGAAAAGACCAGGGACATGCTTATTCTGCAGCGCAAAATCAACGTGTGTTATC
 AGGAGGAACTGGAGGCAATGATGACAAAAGCTGACAATGATAATAGAGATCACAAAGAAA
 AGCTGGAGAGTTGACTCGACTACTAGACCTCAAGAATAACCGTATCAAGCAGCTGGAAG
 GTATTTTAAAGAAGCCATGACCTTCCAACATCTGGTGATTTTAACTCACTGACCTCGAG
 AGAAACCAACGGATCTATTCAAGTGCAACTGGATTGGAAGTTTCCCTACATACCCCTG
 AGAGCTTCTGAAACCAGAAAGCTCAGACTAAGGGGAAGGATACCAAGGACAGTTCAAAGA
 TCTCATCTGAAGAGGAAAAGGCTTCATTTCCCTCCAGGATCAGATGGCATCTCCTGAGG
 TTCCCATTGAAGCTGGCCAGTATCGATCTAAGAGAAAACCTCCTCATGGGGAGAAAAGAA
 AGGAGAAGGAGCACCAGTTGTGAGCTACTCAAGAAGAAAACATGGCAAAAGAATAGGTG
 TTCAAGGAAAAGATAGAATGGAGTATCTTAGCCTTAACATCTTAAATGGAATACACCAC
 AGCAGGTGAATTACACTGAGTGGAAGTTCTCAGAGACTAACAGCTTCATAGGTGATGGCT
 TTAATAATCAGCACGAGGAAGAGGAAATGACATTATCCATTGACACTGAAACAGAAGG
 AACCTCTACATCCTGTAATGACAAAAGAACTCCTGAAACAAGTTCTGAAGTCAGTGAAG
 CACAAACTACCGACAGTGATGATGTCATAGTGCCACCCATGTCTCAGAAATATCCTAAGG
 CAGATTGAGAGAAGATGTGATTGAAATTGTCTCCTGGCCTTCTACCCAGAGGCAGAAG
 TGATGTCTGATGAGAACATAAACAGGTGTATGTGGAGTACAAATTCTACGACCTACCCT
 TGTCGGAGACAGAGACTCCAGTGTCCTAAGGAAGCCTAGGGCAGGAGAAGAAATCCACT
 TTCACCTTAGCAAGGTAATAGACCTGGACCCACAGGAGCAGCAAGGCCGAAGGCGGTTTC
 TGTTGCAGATGCTGAATGGACAAGATCCTGATCAAGGACATTTAAAGTTTACAGTGGTAA
 GTGATCCTCTGGATGAAGAAAAGAAAGATGTGAAGAAGTGGGATATGCATATCTTCAAC
 TGTGGCAGATCCTGGAGTCAGGAAGAGATATTCTAGAGCAAGAGCTAGACATTGTTAGCC
 CTGAAGATCTGGCTACCCCAATAGGAAGGCTGAAGGTTTCCCTTCAAGCAGCTGCTGTCC
 TCCATGCTATTTACAAGGAGATGACTGAAGATTTGTTTTCATGAAGGAACAAGTGCTATT
 CCAATCTAAAAGTCTCTGAGGGAACCATAGTAAAAAGTCTTTATAAAGTTAGCTTGCTA
 TAACATGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

**5' Read Nucleotide
Sequence:**

>OriGene 5' read for BC039089 unedited
 GNCCGGCCGCGNAATTCCCGGNTGTTATGAATAAAGCAGGGCAGAAAAAACATGTAGG
 GAGAGAATGAGGAACTAGGTCCAGGAGATGCTGAAACTGGATAATAAAGACGTCATATCA
 CACCCCTTGGGGTATCCATCTGAGAGCTTGCTTTCCATTGCCAGCATGCTGGACAGCAGT
 GACAGCTCCAGTCAGCCCCACTGGAGCAACGAGCTCATAGCGAACAGCTACAGCAGCAA
 GTCTCTCAGCTGCAGGATCAGCTGGATGCTGAGCTGGAGGACAAGAGAAAAGTTTACTT
 GAGCTGTCCAGGGAGAAAGCCCCAAATGAGGATCTGAAGCTTGAAGTCACCAACATACTT
 CAGAAGCATAAACAGGAAGTAGAGCTCCTCCAAAATGCAGCCACAATTTCCCAACCTCCT
 GACAGGCAATCTGAACCGCCACTCACCCAGCTGTATTGCAAGAGAACTCAGATCGAG
 CCAAGTGAACCCAAAAACCAAGAAGAAAAGAACTGTCCAGGTGCTAAATGAGTTGCAA
 GTATCACACGCAGAGACCACATTGGAAGTAGAAAAGACCAGGGACATGCTTATTCTGCAG
 CGCANAATCAACGTGTGTTATCAGGAGGAACTGGAGGCAATGATGACAAAAGCTGACAA
 GATAATAGAGATCACAAAGAAAAGCTGGAGAGGTTGACTCGACTACTAGACCTCAAGAAT
 AACCGTATCAAGCAGCTGGGAAGTATTTTAAAGAAGCCATGACCTTTCAACATCTGGTGAT
 TTTTACCTCACTGACCTGCAGAGAAACCCACGGGTCTATTCAAGTGCAACTGGGATTGA
 AAAGTTTCCCTACATACC

Restriction Sites:	Please inquire
ACCN:	BC039089
Insert Size:	2014 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).
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:	BC039089.1 , AAH39089.1
RefSeq Size:	2014 bp
Locus ID:	57096
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]