

# Recombinant Human RPGRIP1 Protein, His-tagged

**Cat. No.** RPGRIP1-2660H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                  |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human RPGRIP1 Protein (Phe1048-Ser1286) with a N-His tag was expressed in E. coli.                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                            |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                           |
| <b>ProteinLength</b>    | Phe1048-Ser1286                                                                                                                                                                                                                                  |
| <b>Description</b>      | 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. |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                              |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 31 kDa<br>Accurate Molecular Mass: 30 kDa                                                                                                                                                                              |
| <b>Endotoxin</b>        | <1.0 EU per 1g (determined by the LAL method).                                                                                                                                                                                                   |
| <b>Purity</b>           | > 90%                                                                                                                                                                                                                                            |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                       |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by                                                                                                                                                             |

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accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

**Storage Buffer**

PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

**Reconstitution**

Reconstitute in PBS or others.

## GENE INFORMATION

**Gene Name**

RPGRIP1 RPGR interacting protein 1 [ Homo sapiens (human) ]

**Official Symbol**

RPGRIP1

**Synonyms**

RPGRIP1; RPGR interacting protein 1; LCA6; RGI1; RGRIP; CORD13; RPGRIP; RPGRIP1d; X-linked retinitis pigmentosa GTPase regulator-interacting protein 1  
retinitis pigmentosa GTPase regulator interacting protein 1

**Gene ID**

57096

**mRNA Refseq**

NM\_020366

**Protein Refseq**

NP\_065099

**MIM**

605446

**UniProt ID**

Q96KN7

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