

Recombinant Mouse Rpgrip1 Protein, His-tagged

Cat. No. Rpgrip1-2032M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Rpgrip1 Protein (Ser1005-Ser1331) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Ser1005-Ser1331
Description	Acts upstream of or within eye development; neural precursor cell proliferation; and visual perception. Located in axoneme and photoreceptor distal connecting cilium. Is expressed in brain; cerebral cortex; photoreceptor layer outer segment; retina outer nuclear layer; and telencephalon ventricular layer. Used to study Leber congenital amaurosis 6. Human ortholog(s) of this gene implicated in Leber congenital amaurosis 6; Leber hereditary optic neuropathy; cone-rod dystrophy 13; and retinitis pigmentosa. Orthologous to human RPGRIP1 (RPGR interacting protein 1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 41 kDa Accurate Molecular Mass: 44 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	The thermal stability is described by the loss rate. The loss rate was determined by 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 retinitis pigmentosa GTPase regulator interacting protein 1 [Mus musculus (house mouse)]
Official Symbol	Rpgrip1
Synonyms	Rpgrip1; retinitis pigmentosa GTPase regulator interacting protein 1; nmf247; AA415034; 0610005A07Rik; 4930401L23Rik; 4930505G06Rik; A930002K18Rik; X-linked retinitis pigmentosa GTPase regulator-interacting protein 1; RPGR-interacting protein 1
Gene ID	77945
mRNA Refseq	NM_023879
Protein Refseq	NP_076368
UniProt ID	Q9EPQ2

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