

Recombinant Human RCVRN Protein (Gly2-Ala200), His tagged

Cat. No. RCVRN-6160H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RCVRN (Gly2-Ala200) fused with His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gly2-Ala200
Description	Acts as a calcium sensor and regulates phototransduction of cone and rod photoreceptor cells. Modulates light sensitivity of cone photoreceptor in dark and dim conditions. In response to high Ca ²⁺ levels induced by low light levels, prolongs RHO/rhodopsin activation in rod photoreceptor cells by binding to and inhibiting GRK1-mediated phosphorylation of RHO/rhodopsin. Plays a role in scotopic vision/enhances vision in dim light by enhancing signal transfer between rod photoreceptors and rod bipolar cells. Improves rod photoreceptor sensitivity in dim light and mediates response of rod photoreceptors to facilitate detection of change and motion in bright light.
Form	Lyophilized powder/frozen liquid
Molecular Mass	23.73 kDa
Purity	> 90 % as determined by SDS-PAGE

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Notes	For research use only.
Storage	Use a manual defrost freezer and avoid repeated freeze thaw cycles. Store at 2 to 8 centigrade for one week. Store at -20 to -80 centigrade for twelve months from the date of receipt.
Storage Buffer	Supplied as solution form in PBS, pH 7.5 or lyophilized from PBS, pH 7.5.
Reconstitution	Reconstitute in sterile water for a stock solution.
Shipping	They are shipped out with dry ice/blue ice unless customers require otherwise.
GENE INFORMATION	
Gene Name	RCVRN recoverin [Homo sapiens (human)]
Official Symbol	RCVRN
Synonyms	RCVRN; recoverin; RCV1; cancer associated retinopathy antigen; cancer-associated retinopathy protein;
Gene ID	5957
mRNA Refseq	NM_002903
Protein Refseq	NP_002894
MIM	179618
UniProt ID	P35243

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