

Recombinant Human RCVRN

Cat. No. RCVRN-31310TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length protein, corresponding to amino acids 1-200 of Human Recoverin
Species	Human
Source	E.coli
ProteinLength	1-200 a.a.
Description	This gene encodes a member of the recoverin family of neuronal calcium sensors. The encoded protein contains three calcium-binding EF-hand domains and may prolong the termination of the phototransduction cascade in the retina by blocking the phosphorylation of photo-activated rhodopsin. Recoverin may be the antigen responsible for cancer-associated retinopathy.
Tissue specificity	Retina and pineal gland.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	Preservative: None Constituents: 10% Glycerol, 20mM Tris, 2mM Magnesium chloride, 1mM EDTA, pH 8.0
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

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Sequences of amino acids	MGNSKSGALS KEILEELQLN TKFSEELCS WYQSFLKDCP TGRITQQQFQ SIYAKFFPDTPKAYAQHVF RSFDSNLDGT LDFKEYVIAL HMTTAGKTNQ KLEWAFSLYD VDGNGTISKNEVLEIVMAIF KMITPEDVKL LPDDENTPEK RAEKIWKYFG KNDDDKLTEK EFIEGTLANKEILRLIQFEP QKVKEKMKNA
Sequence Similarities	Belongs to the recoverin family.Contains 4 EF-hand domains.
Full Length	Full L.
GENE INFORMATION	
Gene Name	RCVRN recoverin [Homo sapiens]
Official Symbol	RCVRN
Synonyms	RCVRN; recoverin; RCV1;
Gene ID	5957
mRNA Refseq	NM_002903
Protein Refseq	NP_002894
MIM	179618
Uniprot ID	P35243
Chromosome Location	17p13.1
Pathway	Phototransduction, organism-specific biosystem; Phototransduction, conserved

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biosystem;

Function

calcium ion binding; calcium sensitive guanylate cyclase activator activity;

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