9051 Mira Mesa Blvd, #910094
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RCVRN Mouse

Recoverin Mouse Recombinant
RCP1838

Product Overview

Name	RCVRN Mouse
Description	
Recoverin Mouse Recombinant	
Accession (Primary)	P34057
Synonyms	
RCV1, Cancer-associated retinopathy protein, Protein CAR, RCVRN, Recoverin, S-modulin.	
Introduction	
Recoverin is a member of the recoverin family of neuronal calcium sensors. Recoverin is a heterogeneously acylated calcium-binding and intracellular signal transduction 23kDa protein in the photoreceptor cells of retina. Recoverin contains four EF-hands, of which two bind Ca. Ca-induced extrusion of the acyl group from a hydrophobic cleft in the protein drives the translocation of recoverin from solution to the disc membrane. Recoverin may prolong the termination of the phototransduction cascade in the retina by blocking the phosphorylation of photo-activated rhodopsin. Recoverin plays a key role in the inhibition of rhodopsin kinase, a molecule that regulates the phosphorylation of rhodopsin. This in due course controls the ability of the eye to adapt to, and recover from, exposure to the presence of light. Recoverin is a detectable serologic protein that is expressed in patients with cancer-associated retinopathy, a paraneoplastic syndrome.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile filtered colorless solution.	
Formulation	
The protein (1mg/ml) contains Phosphate Buffered Saline (pH 7.4), 10% glycerol and 1mM DTT.	
Stability	
Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90.0% as determined by SDS-PAGE.	
Amino acid sequence	

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MGSSHHHHHH SSGLVPRGSH MGS MGNSKSG ALSKEILEEL QLNTKFTEEE LSAWYQSFLK ECPSGRITRQ EFESIYSKFF PDSDPKAYAQ HVFRSFDANS DGTLDFKEYV IALHMTTAGK PTQKLEWAFS LYDVDGNGTI SKNEVLEIVM AIFKMIKPED VKLLPDDENT PEKRAEKIWA FFGKKEDDKL TEEEFIEGTL ANKEILRLIQ FEPQKVKERI KEKKQ.

Precautions

RCVRN Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P34057)