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32-13379: RCVRN Mouse

Alternative Name : RCV1, Cancer-associated retinopathy protein, Protein CAR, RCVRN, Recoverin, S-modulin.

Description

Source: Escherichia Coli.
Sterile filtered colorless solution.
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.
Recoverin Mouse Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 225 amino acids (1-202a.a.) and having a molecular mass of 25.8kDa. Recoverin Mouse is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Â Â

Product Info

Amount :	2 µg / 10 µg
Purification :	Greater than 90.0% as determined by SDS-PAGE.
Content :	The protein (1mg/ml) contains Phosphate Buffered Saline (pH 7.4), 10% glycerol and 1mM DTT.
Storage condition :	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.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSMGNSKSG ALSKEILEEL QLNTKFTEEE LSAWYQSFLK ECPSGRITRQ EFESIYSKFF PDSDPKAYAQ HVFRSFDANS DGTLDFKEYV IALHMTTAGK PTQKLEWAFS LYDVDGNGTI SKNEVLEIVM AIFKMIKPED VKLLPDDENT PEKRAEKIWA FFGKKEDDKL TEEEFIEGTL ANKEILRLIQ FEPQKVKERI KEKKQ.