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Recombinant human Recoverin protein

Catalog Number: RCV0501

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-200aa

UniProt No.

P35243

NCBI Accession No.

NP 002894

Alternative Names

RCVRN, RCV1, Recoverin, Cancer-associated retinopathy protein, Protein CAR, Recoverin, Cancer associated retinopathy protein, CAR protein, Cancer associated retinopathy protein antibody, CAR protein,

PRODUCT SPECIFICATION

Molecular Weight

23 kDa (200aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 1mM EDTA, 2mM MgCl2, 10% glycerol

Purity

> 95% by SDS-PAGE

Tag

Non-Tagged

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

Recoverin is a heterogeneously acylated calcium-binding and intracellular signal transduction 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. Recently, recoverin is a detectable serologic protein that is expressed in patients with cancerassociated retinopathy, a paraneoplastic syndrome. Recombinant human recoverin was overexpressed in E. coli



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and purified by using conventional chromatography techniques

Amino acid Sequence

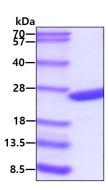
MGNSKSGALS KEILEELQLN TKFSEEELCS WYQSFLKDCP TGRITQQQFQ SIYAKFFPDT DPKAYAQHVF RSFDSNLDGT LDFKEYVIAL HMTTAGKTNQ KLEWAFSLYD VDGNGTISKN EVLEIVMAIF KMITPEDVKL LPDDENTPEK RAEKIWKYFG KNDDDKLTEK EFIEGTLANK EILRLIQFEP QKVKEKMKNA

General References

Sampath P., et al. (2004) Cancer Control. 11, 174-80 Erickson MA., et al. (1998) Proc. Natl. Acad. Sci. 95, 6474-9

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

