

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, 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)

FormulationLiquid 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 cancer-associated 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 TKFSEELCS WYQSFLKDCP TGRITQQQFQ SIYAKFFPDT DPKAYAQHV FRSFDSNLDGT
LDFKEYVIAL HMTTAGKTNQ KLEWAFSLYD VDGNGTISK N EVLEIVMAIF KMITPEDVKL LPDDENTPEK RAEKIWKYFG
KNDDDKLTEK EFIEGTLANK EILRLIQFEP QKVKEKMKNA

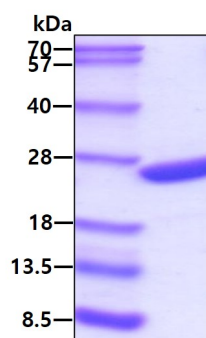
General References

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.