

Recombinant mouse Recoverin protein

Catalog Number: ATGP3808

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-202aa

UniProt No.

P34057

NCBI Accession No.

NP_033064

Alternative Names

Recoverin, CAR, S-modulin

PRODUCT SPECIFICATION

Molecular Weight

25.8 kDa (225aa)

Concentration

1mg/ml (determined by absorbance at 280nm)

Formulation

Liquid in. Phosphate-Buffered Saline (pH 7.4) containing 10% glycerol, 1mM DTT

Purity

> 95% by SDS-PAGE

Tag

His-Tag

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 also known as Rcvrn, 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 Mouse recoverin, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional

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chromatography techniques.

Amino acid Sequence

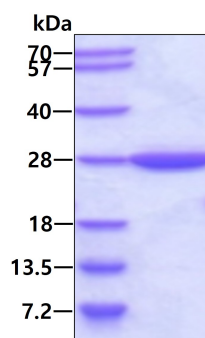
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VKLLPDDENT PEKRAEKIWA FFGKKEDDKL TEEEFIEGTL ANKEILRLIQ FEPQVKKERI KEKKQ

General References

Sampath P., et al. (2004) Cancer Control. 11(3): 174-80
Erickson MA., et al. (1998) Proc. Natl. Acad. Sci. 95(11): 6474-9.

DATA

SDS-PAGE



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