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# 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**

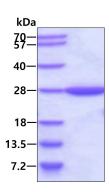
<MGSSHHHHHH SSGLVPRGSH MGSMGNS>KSG ALSKEILEEL QLNTKFTEEE LSAWYQSFLK ECPSGRITRQ EFESIYSKFF PDSDPKAYAQ HVFRSFDANS DGTLDFKEYV IALHMTTAGK PTQKLEWAFS LYDVDGNGTI SKNEVLEIVM AIFKMIKPED VKLLPDDENT PEKRAEKIWA FFGKKEDDKL TEEEFIEGTL ANKEILRLIQ FEPQKVKERI KEKKQ

## **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.

