

## Product datasheet for SA6058X

## OriGene Technologies, Inc.

9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

## **Recoverin Human Protein**

**Product data:** 

**Product Type: Recombinant Proteins** 

**Description:** Recoverin human recombinant protein, 0.5 mg

Species: Human **Expression Host:** E. coli

**Expression cDNA Clone** 

MGNSKSGALS KEILEELQLN TKFSEEELCS WYQSFLKDCP TGRITQQQFQ SIYAKFFPDT DPKAYAQHVF RSFDSNLDGT LDFKEYVIAL HMTTAGKTNQ KLEWAFSLYD VDGNGTISKN or AA Sequence:

EVLEIVMAIF KMITPEDVKL LPDDENTPEK RAEKIWKYFG KNDDDKLTEK EFIEGTLANK EILRLIQFEP

**OKVKEKMKNA** 

Predicted MW: 23 kDa Concentration: lot specific >95% **Purity:** 

**Buffer:** Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris pH 8.0, 1 mM EDTA, 2 mM MgCl2, 10% Glycerol

Preparation: Liquid purified protein

**Applications:** SDS-PAGE

**Protein 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 and purified by using conventional chromatography techniques

Store undiluted at 2-8°C for one month or (in aliquots) at -20°C to -80°C for longer. Storage:

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 002894

Locus ID: 5957





UniProt ID: P35243

Cytogenetics: 17p13.1

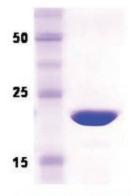
Synonyms: RCV1

**Summary:** This gene encodes a member of the recoverin family of neuronal calcium sensors. The

encoded protein contains three calcium-binding EF-hand domains and may prolong the termination of the phototransduction cascade in the retina by blocking the phosphorylation of photo-activated rhodopsin. Recoverin may be the antigen responsible for cancer-

associated retinopathy. [provided by RefSeq, Jul 2008]

## **Product images:**



15% SDS-PAGE (3ug)