

Product information

Recoverin, 1-200 aa

Human, Recombinant, *E.coli*

Cat. No. IBRCV0501

Synonyms: RCVRN, RCV1

NCBI Accession No.: NP_002894

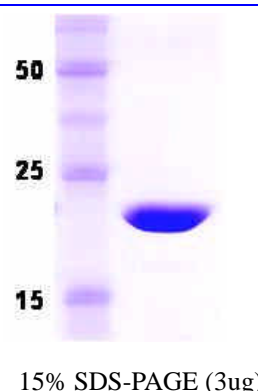
Description: Recoverin is a heterogeneously acylated calcium-binding and intracellular signal transduction protein in the photoreceptor cells of retina. Recoverin contains four EF-hands, of which two bind Ca. Ca-induced extrusion of the acyl group from a hydrophobic cleft in the protein drives the translocation 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.

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

Molecular Weight: 23 kDa (200 aa), confirmed by MALDI-TOF

Purity: > 95% by SDS - PAGE

Concentration: 1 mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGNSKSGALS KEILEELQLN TKFSEELCS WYQSFLKDCP TGRITQQQFQ SIYAKFFPDT DPKAYAQHV F RSFDSNLDGT 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.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.