

Recoverin, Human, Recombinant, E.coli

Cat.NO.: TP03709

3th Edition

Synonyms:RCVRN, RCV1

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.

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

Sequences:

MGNSKSGALSKEILEELQLNTKFSEEELCSWYQSFLKDCPTGRITQQQFQSIYAKFFPDTPKAYAQHVFRSFDSNL
DGTLDKFKEYVIALHMTTAGKTNQKLEWAFSLYDVDGNGTISKNEVLEIVMAIFKMITPEDVKLLPDDENTPEKRAEKI
WKYFGKNDDDKLTEKEFIEGTLANKEILRLIQFEPQKVKEKMKNA

Purity:> 95% by HPLC

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

Endotoxin Level:<1.0 EU per 1 ug of protein (determined by LAL method)

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.