
Recoverin, Human**Recombinant, *E.coli***

Cat. No. RCV 0501

Cat. No. RCV 0551

Size ; 1 mg

Size ; 100 μ g

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 pH 8.0, 1 mM EDTA, 2mM MgCl₂, 10% Glycerol

Molecular weight : 23 kDa (200 amino acids)

Purity : \geq 95% by SDS-PAGE

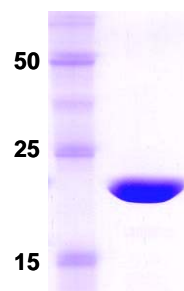
Sequence : MGNSKSGALS KEILEELQLN TKFSEEELCS WYQSFLKDCP TGRITQQQFQ SIYAKFFPDT
DPKAYAQHVF RSFDSNLDGT LDFKEYVIAL HMTTAGKTNQ KLEWAFSLYD VDGNGTISKN
EVLEIVMAIF KMITPEDVKL LPDDENTPEK RAEKIWKYFG KNDDDKLTEK EFIEGTLANK
EILRLIQFEP QKVKEKMKNA

Storage : Store at -20°C. Avoid freeze/thaw cycles

References : Sanghamitra, *et al* (1992) *Proc. Natl. Acad. Sci.* 89; 5705-09

Martha, *et al* (1998) *Proc. Natl. Acad. Sci.* 95, 6474-79

Prakash, *et al* (2004) *Cancer Control* 11, 174-80.



14% SDS-PAGE