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Recombinant Human Recoverin

CLPRO441
CLPRO441-2
CLPRO441-3
Lot:

Introduction: 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.

Description: Recombinant human recoverin produced in *E.Coli* is a single, non-glycosylated polypeptide chain containing 200 amino acids & having a molecular mass of 23 kDa.

Synonyms: RCV1, Cancer-associated retinopathy protein, Protein CAR, RCVRN

Source: *Escherichia Coli*.

Presentation: 10 µg (CLPRO441), 50 µg (CLPRO441-2), or 1 mg (CLPRO441-3), sterile filtered colorless solution. The protein (1mg/ml) contains 20 mM Tris, pH 8.0, 1 mM EDTA, 2 mM MgCl₂ and 10% glycerol.

Stability: Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Avoid multiple freeze-thaw cycles. For long term storage it is recommended to add a carrier protein (0.1% HAS or BSA).

Purity:

Greater than 95.0% as determined by:

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

Sequence: MGNSKSGALS KEILEELQLN TKFSEELCS WYQSFLKDCP TGRITQQQFQ SIYAKFFPDT
DPKAYAQHVF RSFDSNLDGT LDFKEYVIAL HMTTAGKTNQ KLEWAFSLYD VDGNGTISKNEVLEIVMAIF
KMITPEDVKL LPDDENTPEK RAEKIWKYFG KNDDDKLTEK EFIEGTLANK EILRLIQFEP QKVKEKMKNA.

Laboratory Reagent For Research Use Only

JV 05/07/08

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