

RLBP1, 1-317aa, Human, His-tag, Baculovirus

Cat.NO.: TP03742

3th Edition

Synonyms:Retinaldehyde binding protein 1 , RLBP1, CRALBP, Cellular retinaldehyde binding protein like, CRALBPL, FLJ37248, Retinaldehyde binding protein 1 like 1, RLBP1L1.

Description:RLBP1, as known as retinaldehyde binding protein 1, is a soluble protein. It participates in the regeneration of active 11-cis-retinol and 11-cis-retinaldehyde, from the inactive 11-trans products of the rhodopsin photocycle and in the de novo synthesis of these retinoids from 11-trans metabolic precursors. The cycling of retinoids between photoreceptor and adjacent pigment epithelium cells is known as the 'visual cycle'. Recombinant human RLBP1, fused to His-tag at C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form:Liquid. In Phosphate Buffered Saline (pH 7.4) containing 20% glycerol.

Molecular Weight:37.5kDa (326aa), 28-40kDa (SDS-PAGE under reducing conditions)

Sequences:IBSNP0801

Purity:> 95% by HPLC

Concentration:0.5mg/ml (determined by Absorbance at 280nm)

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.