

RLBP1, 1-317aa, Human, His tag, E.coli

Cat.NO.: TP03741

3th Edition

Synonyms:retinaldehyde-binding protein 1, CRALBP

Description:RLBP1 is a 36-kD water-soluble protein which carries 11-cis-retinaldehyde or 11-cis-retinal as physiologic ligands. It may be a functional component of the visual cycle. Mutations of this gene have been associated with severe rod-cone dystrophy, Bothnia dystrophy (nonsyndromic autosomal recessive retinitis pigmentosa) and retinitis punctata albescens. Recombinant human RLBP1 protein, fused to His-tag at N-terminus, was expressed in E.coli.

Form:Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Molecular Weight:38.9kDa (340aa)

Sequences:

MGSSHHHHHHSSGLVPRGSHMGSMSEGVGTFRMVPEEEQELRAQLEQLTTKDHGPVFGPCSQ LPRHTLQKAKD
ELNEREETREEAVRELQEMVQAQAASGEELAVAVAERVQEKDSGFFLRFIRARKFNVGRAYELLRGYVNFRLQYP
ELFDSLSPEAVRCTIEAGYPGVLSSRDKYGRVVMLFNENWQSQEITFDEILQAYCFILEKLLENEETQINGFCIIENFK
GFTMQQAASLRTSDLRKMVDMLQDSFPAKFKAIFHQPWYFTTTYNVVKPFLKSKLLERVFVHGDDL SFGFYQEID
ENILPSDFGGTLPKYDGKAVAEQLFGPQAQAENTAF

Purity:> 95% by HPLC

Concentration:1.0 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.