9051 Mira Mesa Blvd, #910094
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RLBP1 Human

Retinaldehyde Binding Protein 1 Human Recombinant
RCP1873

Product Overview

Name	RLBP1 Human
Description	
Retinaldehyde Binding Protein 1 Human Recombinant	
Accession (Primary)	P12271
Synonyms	
Retinaldehyde Binding Protein 1, Cellular Retinaldehyde-Binding Protein, CRALBP.	
Introduction	
RLBP1 is a 36-kD water-soluble protein that transports 11-cis-retinal or 11-cis-retinaldehyde as physiologic ligands. RLBP1 is a functional element of the visual cycle. RLBP1 gene mutations cause retinitis punctata albescens, severe rod-cone dystrophy and Bothnia dystrophy (nonsyndromic autosomal recessive retinitis pigmentosa).	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered clear solution.	
Formulation	
The RLBP1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea 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. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.	
Purity	
Greater than 90% as determined by SDS-PAGE.	
Amino acid sequence	
MGSSHHHHHH SSGLVPRGSH MGS MSEGVGT FRMVPEEEQE LRAQLEQLTT KDHGPVFGPC SQLPRHTLQK AKDELNEREE TREEAVRELQ EMVQAQAASG EELAVAVAER VQEKDSGFFL RFIRARKFNV GRAYELLRGY VNFRLQYPEL FDSLSPEAVR CTIEAGYPGV LSSRDKYGRV VMLFNIENWQ SQEITFDEIL QAYCFILEKL LENEETQING FCIIENFKGF TMQQAASLRT SDLRKMVDML QDSFPARFKA IHFIHQPWYF TTTYNVVKPF LKSKLLERVF VHGDDLSGFY QEIDENILPS DFGGTLPKYD GKAVAEQLFG PQAQAENTAF	
Precautions	

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RLBP1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P12271)