

Recombinant Human RLBP1

Cat. No. RLBP1-26519TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CRALBP with proprietary tag, 60.98kDa inclusive of tag.
Species	Human
Source	Wheat Germ
ProteinLength	317 amino acids
Description	The protein encoded by this gene 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.
Molecular Weight	60.980kDa inclusive of tags
Tissue specificity	Retina and pineal gland. Not present in photoreceptor cells but is expressed abundantly in the adjacent retinal pigment epithelium (RPE) and in the Mueller glial cells of the retina.
Biological activity	useful for Antibody Production and Protein Array
Form	Liquid

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Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.31% Glutathione, 0.79% Tris HClNote: Glutathione is reduced
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MSEGVGTFRMVPEEEQELRAQLEQLTTKDHGPVFGPCSQLPRHTLQKAKDELNER EETREEAVRELQEMVQAQAASGEELAVAVAERVQEKDSGFFLR FIRARKFNVGRAY ELLRGYVNFRLQYPELFDLSPEAVRCTIEAGYPGVLSSRDKYGRVVMLFNINWQS QEITFDEILQAYCFILEKLLENEETQINGFCIENFKGFTMQQAASLRSDLRKMDML QDSFPARFKAIHFIHQPWYFTTTYNVVKPFLKSKLLERVVHGDLSGFYQEIDENIL PSDFGGTLPKYDGKAVAEQLFGPQAQAENTAF
Sequence Similarities	Contains 1 CRAL-TRIO domain.

GENE INFORMATION

Gene Name	RLBP1 retinaldehyde binding protein 1 [Homo sapiens]
Official Symbol	RLBP1
Synonyms	RLBP1; retinaldehyde binding protein 1; retinaldehyde-binding protein 1; CRALBP;
Gene ID	6017
mRNA Refseq	NM_000326
Protein Refseq	NP_000317

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MIM	180090
Uniprot ID	P12271
Chromosome Location	15q26.1
Pathway	Vitamin A and carotenoid metabolism, organism-specific biosystem;
Function	11-cis retinal binding; binding; retinol binding; transporter activity;

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