



Human RLBP1 peptide (DAG-P0388)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen 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. [provided by RefSeq, Jul 2008]
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.
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Contains 1 CRAL-TRIO domain.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	RLBP1 retinaldehyde binding protein 1 [Homo sapiens (human)]
Official Symbol	RLBP1
Synonyms	RLBP1; retinaldehyde binding protein 1; CRALBP; retinaldehyde-binding protein 1; cellular retinaldehyde-binding protein; cellular retinaldehyde-binding protein-1;

Entrez Gene ID	6017
mRNA Refseq	NM_000326.4
Protein Refseq	NP_000317.1
UniProt ID	P12271
Chromosome Location	15q26
Pathway	Disease, organism-specific biosystem; Diseases associated with visual transduction, organism-specific biosystem; Retinoid cycle disease events, organism-specific biosystem; Signal Transduction, organism-specific biosystem; The canonical retinoid cycle in rods (twilight vision), organism-specific biosystem; The retinoid cycle in cones (daylight vision), organism-specific biosystem; Visual phototransduction, organism-specific biosystem; Vitamin A and Carotenoid Metabolism, organism-specific biosys
Function	11-cis retinal binding; retinol binding; transporter activity;