
Product Data Sheet

Product Name: RLBP1 Human, sf9
 Cat. No.: GP24394
 Batch No.: 1

Product Data

Purity	>98%	Source	Sf9, Baculovirus cells.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Retinaldehyde-binding protein 1; Cellular retinaldehyde-binding protein; RLBP1; CRALBP.		
Amino Acid Sequence	ADPMSEGVGT FRMVPEEEQE LRAQLEQLTT KDHGPFVFGPC SQLPRHTLQK AKDELNEREE TREEAVRELQ EMVQAQAASG EELAVAVAER VQEKDSGFFL RFIRARKFNV GRAYELLRGY VNFRLQYPEL FDSLSPAVR CTIEAGYPGV LSSRDKYGRV VMLFNINWQ SQEITFDEIL QAYCFILKLE LENEETQING FCIIENFKGF TMQQAASLRT SDLRKMVDML QDSFPAFKA IHFIHQPWYF TTTYNVVKPF LSKLLERVF VHGDLSGFY QEIDENILPS DFGGTLPKYD GKAVAEQLFG PQAQAENTAF HHHHHH.		
Formulation	RLBP1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 20% glycerol.		

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).

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.

Background

RLBP1 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 326 amino acids (1-317) and having a molecular mass of

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

37.5kDa (Molecular size on SDS-PAGE will appear at approximately 28-40kDa).RLBP1 is fused to 6 amino acid His-Tag at C-terminus and purified by proprietary chromatographic techniques.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA