

32-13385: RLBP1 Human, sf9

Alternative Name : Retinaldehyde-binding protein 1, Cellular retinaldehyde-binding protein, RLBP1, CRALBP.

Description

Source: Sf9, Baculovirus cells.

Sterile Filtered clear solution.

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).

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 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.

Product Info

Amount : 2 µg / 10 µg

Purification : Greater than 90.0% as determined by analysis by SDS-PAGE.

Content : RLBP1 protein solution (0.5mg/ml) containing Phosphate Buffered Saline (pH 7.4) and 20% glycerol.

Storage condition : 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.

Amino Acid : ADPMSEGVGT FRMVPEEEQE LRAQLEQLTT KDHGPVFGPC SQLPRHTLQK AKDELNEREE TREEAVRELQ EMVQAQAASG EELAVAVAER VQEKDSGFFL RFIRARKFNV GRAYELLRGY VNFRLQYPEL FDSLSPAVR CTIEAGYPGV LSSRDYGRV VMLFNINWQ SQEITFDEIL QAYCFLEKL LENEETQING FCIIENFKGF TMQQAASLRT SDLRKMVDML QDSFPAKFKA IHFIHQPWYF TTTYNVVKPF LKSKLLERVF VHGGDLSGFY QEIDENILPS DFGGTLPKYD GKAVAEQLFG PQAQAENTAF HHHHHH.