

## 32-4662: Recombinant Human Retinaldehyde Binding Protein 1

**Alternative Name :** Retinaldehyde Binding Protein 1, Cellular Retinaldehyde-Binding Protein, CRALBP.

### Description

Source : Escherichia Coli. RLBP1 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 340 amino acids (1-317) and having a molecular mass of 38.9 kDa. RLBP1 is fused to a 23 amino acid His-tag at N-terminus. 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).

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	Greater than 90% as determined by SDS-PAGE.
<b>Content :</b>	The RLBP1 solution (1mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
<b>Storage condition :</b>	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.
<b>Amino Acid :</b>	MGSSHHHHHH SSGLVPRGSH MGSMSSEGVGT FRMVPEEEQE LRAQLEQLTT KDHGPFVFGPC SQLPRHTLQK AKDELNEREE TREEAVRELQ EMVQAQAASG EELAVAVAER VQEKDSGFFL RFIRARKFNV GRAYELLRGY VNFRLQYPEL FDSLSPAVR CTIEAGYPGV LSSRDYGRV VMLFNINWQ SQEITFDEIL QAYCFILEKL LENEETQING FCIENFKGF TMQQAASLRT SDLRKMVDML QDSFPARFKA IHFIHQPWYF TTYNVVKPF LSKLLERVF VHGDLSGFY QEIDENILPS DFGGTLPKYD GKAVAEQLFG PQAQAENTAF