Recombinant Human Retinaldehyde-binding protein 1 (RLBP1)

Product Code	CSB-YP019743HU
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P12271
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SEGVGTFRM VPEEEQELRA QLEQLTTKDH GPVFGPCSQL PRHTLQKAKD ELNEREETRE EAVRELQEMV QAQAASGEEL AVAVAERVQE KDSGFFLRFI RARKFNVGRA YELLRGYVNF RLQYPELFDS LSPEAVRCTI EAGYPGVLSS RDKYGRVVML FNIENWQSQE ITFDEILQAY CFILEKLLEN EETQINGFCI IENFKGFTMQ QAASLRTSDL RKMVDMLQDS FPARFKAIHF IHQPWYFTTT YNVVKPFLKS KLLERVFVHG DDLSGFYQEI DENILPSDFG GTLPKYDGKA VAEQLFGPQA QAENTAF
Source	Yeast
Target Names	RLBP1
Protein Names	Recommended name: Retinaldehyde-binding protein 1 Alternative name(s): Cellular retinaldehyde-binding protein
Expression Region	2-317
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.