



Recombinant Human 11-cis retinol dehydrogenase (RDH5)

Product Code	CSB-EP856423HU-B
Abbreviation	RDH5
Storage	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.
Uniprot No.	Q92781
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	LPASNAF VFITGCDSGF GRLLALQLDQ RGFRVLASCL TPSGAEDLQR VASSRLHTTL LDITDPQSVQ QAAKWVEMHV KEAGLFGLVN NAGVAGIIGP TPWLTRDDFQ RVLNVNTMGP IGVTLALLPL LQQARGRVIN ITSVLGRLLA NGGGYCVSKF GLEAFSDSLR RDVAHFGIRV SIVEPGFFRT PVTNLESLEK TLQACWARLP PATQAHYGGGA FLTKYLMQMQ RIMNLICDPD LTKVSRCLEH ALTARHPRTR YSPGWDKLL WLPASYLPAS LVDAVLTWVL PKPAQAVY
Source	E.coli
Target Names	RDH5
Protein Names	Recommended name: 11-cis retinol dehydrogenase Short name= 11-cis RDH EC= 1.1.1.315
Expression Region	24-318
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 gene encodes an enzyme belonging to the short-chain dehydrogenases/reductases (SDR) family. This retinol dehydrogenase functions to catalyze the final step in the biosynthesis of 11-cis retinaldehyde, which is the universal chromophore of visual pigments. Mutations in this gene cause autosomal recessive fundus albinus, a rare form of night blindness that is characterized by a delay in the regeneration of cone and rod photopigments.
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

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