



# Recombinant Human 11-cis retinol dehydrogenase (RDH5)

<b>Product Code</b>	CSB-YP856423HU
<b>Abbreviation</b>	RDH5
<b>Storage</b>	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.
<b>Uniprot No.</b>	Q92781
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	LPASNAF VFITGCDSGF GRLALQLDQ 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
<b>Source</b>	Yeast
<b>Target Names</b>	RDH5
<b>Protein Names</b>	Recommended name: 11-cis retinol dehydrogenase Short name= 11-cis RDH EC= 1.1.1.315
<b>Expression Region</b>	24-318
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	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.
<b>Reconstitution</b>	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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