Recombinant Human Retinol dehydrogenase 12 (RDH12)

Product Code	CSB-BP842727HU
Abbreviation	RDH12
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.	Q96NR8
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MLVTLGLLTS FFSFLYMVAP SIRKFFAGGV CRTNVQLPGK VVVITGANTG IGKETARELA SRGARVYIAC RDVLKGESAA SEIRVDTKNS QVLVRKLDLS DTKSIRAFAE GFLAEEKQLH ILINNAGVMM CPYSKTADGF ETHLGVNHLG HFLLTYLLLE RLKVSAPARV VNVSSVAHHI GKIPFHDLQS EKRYSRGFAY CHSKLANVLF TRELAKRLQG TGVTTYAVHP GVVRSELVRH SSLLCLLWRL FSPFVKTARE GAQTSLHCAL AEGLEPLSGK YFSDCKRTWV SPRARNNKTA ERLWNVSCEL LGIRWE
Source	Baculovirus
Target Names	RDH12
Protein Names	Recommended name: Retinol dehydrogenase 12 EC= 1.1.1.- Alternative name(s): All-trans and 9-cis retinol dehydrogenase
Expression Region	1-316
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 protein
Target Details	This protein is an NADPH-dependent retinal reductase whose highest activity is toward 9-cis and all-trans-retinol. The encoded enzyme also plays a role in the metabolism of short-chain aldehydes but does not exhibit steroid dehydrogenase activity. Defects in this gene are a cause of Leber congenital amaurosis type 3 (LCA3).
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.