



# Recombinant Human Retinol dehydrogenase 12 (RDH12)

<b>Product Code</b>	CSB-YP842727HU
<b>Abbreviation</b>	RDH12
<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>	Q96NR8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Homo sapiens (Human)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MLVTLGLLTS FFSFLYMVAP SIRKFFAGGV CRTNVQLPGK VVVITGANTG IGKETARELA SRGARVYIAC RDVLKGESAA SEIRVDTKNS QVLVRKLDLS DTKSIRAF AE GFLAEEKQLH ILINNAGVMM CPYSKTADGF ETHLGVNHLG HFLTTYLLLE RLKVSAPARV VNVSSVAHHI GKIPFHDLS EKRYSRGFAY CHSKLANVLF TRELAKRLQG TGVTTYAVHP GVRSELVRH SLLCLLWRL FSPFVKTARE GAQTSLHCAL AEGLEPLSGK YFSDCKRTWV SPRARNNKTA ERLWNVSC EL LGIRWE
<b>Source</b>	Yeast
<b>Target Names</b>	RDH12
<b>Protein Names</b>	Recommended name: Retinol dehydrogenase 12 EC= 1.1.1.- Alternative name(s): All-trans and 9-cis retinol dehydrogenase
<b>Expression Region</b>	1-316
<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 protein
<b>Target Details</b>	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).
<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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