



Recombinant Human Alcohol dehydrogenase 4 (ADH4)

Product Code	CSB-EP001356HU-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P08319
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	≥85% (SDS-PAGE)
Sequence	MGTKGKVIKC KAAIAWEAGK PLCIEEVEVA PPKAHEVRIQ IIATSLCHTD ATVIDSKFEG LAFPVIVGHE AAGIVESIGP GVTNVKPGDK VIPLYAPLCR KCKFCLSPLT NLCGKISNLK SPASDQQLME DKTSRFTCKG KPVYHFFGTS TFSQYTVVSD INLAKIDDDA NLERVCLLGC GFSTGYGAAI NNAKVTPGST CAVFGLGGVG LSAVMGCKAA GASRIIGIDI NSEKFKAKA LGATDCLNPR DLHKPIQEV IELTKGGVDF ALDCAGGSET MKAALDCTTA GWGSCTFIGV AAGSKGLTIF PEELIIGRTI NGTFFGGWKS VDSIPKLVTD YKNKKFNLDA LVTHLTPFDK ISEAFDLMNQ GKSVRTLIF
Source	E.coli
Target Names	ADH4
Protein Names	Recommended name: Alcohol dehydrogenase 4 EC= 1.1.1.1 Alternative name(s): Alcohol dehydrogenase class II pi chain
Expression Region	1-380
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 gene encodes class II alcohol dehydrogenase 4 pi subunit, which is a member of the alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. Class II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. It exhibits a high activity for oxidation of long-chain aliphatic alcohols and aromatic alcohols and is less sensitive to pyrazole. This gene is localized to chromosome 4 in the cluster of alcohol dehydrogenase genes.
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.