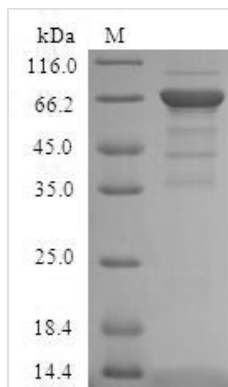




Recombinant Human All-trans-retinol dehydrogenase [NAD (+)] ADH4 (ADH4)

Product Code	CSB-EP001356HU
Abbreviation	Recombinant Human ADH4 protein
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.	P08319
Product Type	Recombinant Proteins
Immunogen Species	Homo sapiens (Human)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MGTKGKVIKCKAAIAWEAGKPLCIEEVEVAPPKAHEVRIQIIATSLCHTDATVIDS KFEGLAFPVIVGHEAAGIVESIGPGVTNVKPGDKVIPLYAPLCRKCKFCLSPLTN LCGKISNLKSPASDQQLMEDKTSRFTCKGKPVYHFFGTSTFSQYTVVSDINLA KIDDDANLERVCLLGCGFSTGYGAAINNAKVTPGSTCAVFGLGGVGLSAVMG CKAAGASRIIGIDINSEKFVKAKALGATDCLNPRDLHKPIQEVIIELTKGGVDFAL DCAGGSETMKAALDCTTAGWGSCTFIGVAAGSKGLTIFPEELIIGRTINGTFFG GWKSVDSIPKLVTDYKNKKFNLDALVHTLTPFDKISEAFDLMNQGKSVRTILIF
Research Area	Signal Transduction
Source	E.coli
Target Names	ADH4
Protein Names	Recommended name: Alcohol dehydrogenase 4 EC= 1.1.1.1Alternative name(s): Alcohol dehydrogenase class II pi chain
Expression Region	1-380aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal GST-tagged
Mol. Weight	67.2kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Description

Insertion of the gene encoding the Human ADH4 protein (1-380aa) into a plasmid vector results in the formation of recombinant plasmid, which is then introduced into e.coli cells. Positive e.coli cells are selected relying on their ability to survive in the presence of a specific antibiotic. The e.coli cells containing the recombinant plasmid are cultured under conditions conducive to the expression of the gene of interest. A N-terminal GST tag is attached to the protein. Following expression, the recombinant Human ADH4 protein is isolated and purified from the cell lysate through affinity purification. The resultant recombinant Human ADH4 protein is analyzed using denaturing SDS-PAGE, revealing a purity greater than 90%.

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.