

Recombinant Human ADH4, His-tagged

Cat. No. ADH4-3252H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Alcohol dehydrogenase 4 (ADH4)
Species	Human
Source	E.Coli/Yeast
ProteinLength	380
Description	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.
Form	This item requires custom production and lead time is between 5-9 weeks. We can custom produce according to your specifications.
Purity	>90%
Notes	Small volumes of ADH4 recombinant protein may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container's cap. Certain products may require to ship with dry ice.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage	Store at -20 degree C. For extended storage, store at -20 or -80 degree C.
Storage Buffer	PBS pH 7.4, 50% glycerol
Warning	This product is for research use only. Not for use in diagnostic or therapeutic procedures.

GENE INFORMATION

Gene Name	ADH4 alcohol dehydrogenase 4 (class II), pi polypeptide [Homo sapiens]
Official Symbol	ADH4
Synonyms	ADH4; alcohol dehydrogenase 4 (class II), pi polypeptide; alcohol dehydrogenase 4; ADH 2; aldehyde reductase; alcohol dehydrogenase class II pi chain; ADH-2;
Gene ID	127
mRNA Refseq	NM_000670
Protein Refseq	NP_000661
MIM	103740
UniProt ID	P08319
Chromosome Location	4q22
Pathway	Biological oxidations, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Ethanol oxidation, organism-specific biosystem; Fatty Acid Omega

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Oxidation, organis

Function

NAD binding; NADPH:quinone reductase activity; alcohol dehydrogenase (NAD) activity; alcohol dehydrogenase activity, zinc-dependent; alditol:NADP+ 1-oxidoreductase activity; all-trans retinal binding; benzaldehyde dehydrogenase activity; metal ion binding; oxidoreductase activity; oxidoreductase activity, acting on the aldehyde or oxo group of donors, NAD or NADP as acceptor; retinol binding; retinol dehydrogenase activity; zinc ion binding;

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