

Recombinant Human ADH1B

Cat. No. ADH1B-26900TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human ADH1B with N terminal proprietary tag. Predicted MW 66.99 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	375 amino acids
Description	The protein encoded by this gene 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. This encoded protein, consisting of several homo- and heterodimers of alpha, beta, and gamma subunits, exhibits high activity for ethanol oxidation and plays a major role in ethanol catabolism. Three genes encoding alpha, beta and gamma subunits are tandemly organized in a genomic segment as a gene cluster.
Molecular Weight	66.990kDa inclusive of tags
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00 Constituents: 0.3% Glutathione, 0.79% Tris HCl

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Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	MSTAGKVIKCKAAVLWEVKKPFSIEDVEVAPPKAYEVRIK MVAVGICRTDDHVVSGN LVTPLPVILGHEAAGIVESVGEV VTTVKPGDKVIPLFTPQCGKCRVCKNPESNYCLK NDLGNP RGTLQDGTTRRFTCRGKPIHHFLGTSTFSQYTVVDENAVAK IDAASPLEKV CLIGCGFSTGYGSAVNVAKVTPGSTCAVFG LGGVGLSAVMGCKAAGAARIIVDINK DKFAKAKELGATE CINPQDYKKPIQEVLEKEMTDGGVDFSFEVIGRLDTMMASL LCC HEACGTSVIVGVPPASQNLNINPMLLLTGRTWKGAVY GGFKSKEGIPKLVADFMAK KFSLDALITHVLPFEKINEGF DLLHSGKSIRTVLTF
Sequence Similarities	Belongs to the zinc-containing alcohol dehydrogenase family.

GENE INFORMATION

Gene Name	ADH1B alcohol dehydrogenase 1B (class I), beta polypeptide [Homo sapiens]
Official Symbol	ADH1B
Synonyms	ADH1B; alcohol dehydrogenase 1B (class I), beta polypeptide; ADH2; alcohol dehydrogenase 1B;
Gene ID	125
mRNA Refseq	NM_000668
Protein Refseq	NP_000659
Uniprot ID	P00325

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Chromosome Location	4q23
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 Oxidation, organism-specific biosystem;
Function	alcohol dehydrogenase activity, zinc-dependent; metal ion binding; nucleotide binding; oxidoreductase activity; zinc ion binding;

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