

Recombinant Full Length Human ADH1B Protein, GST-tagged

Cat. No. ADH1B-924HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADH1B full-length ORF (AAH33009.1, 1 a.a. - 375 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
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. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Nov 2013]
Molecular Mass	66.99 kDa
AA Sequence	MSTAGKVIKC KAAVLWEVKK PFSIEDVEVA PPKAYEVRİK MVAVGICRTD DHVVSIGNLVT PLPVILGHEA AGIVESVGEG VTTVKPGDKV IPLFTPQCGK CRVCKNPESN YCLKNDLGNP RGTLDGTRR FTCRGKPIHH FLGTSTFSQY TVVDENAVAK IDAASPLEKV CLIGCGFSTG YGSAVNVAKV TPGSTCAVFG

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LGGVGLSAVM GCKAAGAARI IAVDINKDKF AKAKELGATE CINPQDYKKP
 IQEVLKEMTD GGVDFFSFEVI GRLDTMMASL LCCHEACGTS VIVGVPPASQ
 NLSINPMLLL TGRTWKGAVY GGFKSKEGIP KLVADFMMAK FSLDALITHV
 LPFEKINEGF DLLHSGKSIR TVLTF

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

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; ADH, beta subunit; aldehyde reductase; alcohol dehydrogenase subunit beta; alcohol dehydrogenase 2 (class I), beta polypeptide

Gene ID 125

mRNA Refseq NM_000668

Protein Refseq NP_000659

MIM 103720

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UniProt ID

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