

Recombinant Human ADH1B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ADH1B-6574H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ADH1B MS Standard C13 and N15-labeled recombinant protein (NP_000659) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	39.9 kDa
AA Sequence	MSTAGKVIKCKAAVLWEVKKPFSIEDVEVAPPKAYEVRIKMVAVGICRTDDHVVSGN LVTPLPVILGHEAAGIVESVGEGVTTVKPGDKVIPLFTPQC GKCRVCKNPESNYCLKN DLGNPRGTLQDGTRRFTCRGKPIHHFLGTSTFSQYTVVDENAVAKIDAASPLEKVCLI GCGFSTGYGSAVNNAKVTPGSTCAVFGGLGGVGLSAVMGCKAAGAARIIVDINKDK FAKAKELGATECINPQDYKKPIQEVLKEMTDGGVDFSFEVIGRLDTMMASLLCCHEA

 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

	CGTSVIVGVPPASQNLSINPMLLLTGRTWKGAVYGGFKSKEGIPKLVADFMKKFSL DALITHVLPFEKINEGFDLLHSGKSIRTVLTFTRTRPLEQKLISEEDLAANDILDYKDDD DKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ADH1B alcohol dehydrogenase 1B (class I), beta polypeptide [Homo sapiens (human)]
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

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MIM	103720
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UniProt ID	P00325
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