

Recombinant Full Length Human ADH1B Protein, C-Flag-tagged

Cat. No. ADH1B-1428HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ADH1B Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	39.7 kDa
AA Sequence	MSTAGKVIKCKAAVLWEVKKPFSIEDVEVAPPKAYEVRIKMVAVGICRTDDHVVSGN LVTPLPVILGHEA AGIVESVGEGVTTVKPGDKVIPLFTPQCGKCRVCKNPESNYCLK NDLGNPRGTLQDGTRRFTCRGKPIHH FLGTSTFSQYTVVDENAVAKIDAASPLEKV CLIGCGFSTGYGSAVNVAKVTPGSTCAVFGGLGGVGLSAVM GCKAAGAARIIVDINK

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DKFAKAKELGATECINPQDYKKPIQEVLKEMTDGGVDFSFEVIGRLDTMMASL LCCH
EACGTSVIVGVPPASQNLSINPMLLLTGRTWKGA VYGGFKSKEGIPKLVADFMAKKF
SLDALITHV
LPFEKINEGFDLLHSGKSIRTVLTFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome
Protein Pathways	Drug metabolism - cytochrome P450, Fatty acid metabolism, Glycolysis / Gluconeogenesis, Metabolic pathways, Metabolism of xenobiotics by cytochrome P450, Retinol metabolism, Tyrosine metabolism
Full Length	Full L.

GENE INFORMATION

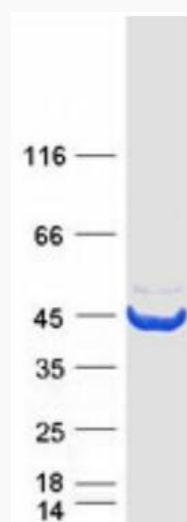
Gene Name	ADH1B alcohol dehydrogenase 1B (class I), beta polypeptide [Homo sapiens (human)]
Official Symbol	ADH1B

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Synonyms	ADH2; HEL-S-117
Gene ID	125
mRNA Refseq	NM_000668.6
Protein Refseq	NP_000659.2
MIM	103720
UniProt ID	P00325



Coomassie blue staining of purified ADH1B protein.

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