

Recombinant Full Length Human ADH1C Protein, GST-tagged

Cat. No. ADH1C-925HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADH1C full-length ORF (NP_000660.1, 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	This gene encodes class I alcohol dehydrogenase, gamma 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 I alcohol dehydrogenase, 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. [provided by RefSeq, Jul 2008]
Molecular Mass	66.3 kDa
AA Sequence	MSTAGKVIKC KAAVLWELKK PFSIEEVEVA PPKAHEVRIK MVAAGICRSD EHVVSIGNLVT PLPVILGHEA AGIVESVGEG VTTVKPGDKV IPLFTPQCGK CRICKNPESN YCLKNDLGNP RGTLDGTRR FTCSGKPIHH FVGVSFTFSQY TVVDENAVAK IDAASPLEKV CLIGCGFSTG YGSAVKVAKV TPGSTCAVFG

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LGGVGLSVVM GCKAAGAARI IAVDINKDKF AKAKELGATE CINPQDYKKP
 IQEVLKEMTD GGVDFFSFEVI GRLDTMMASL LCCHEACGTS VIVGVPPDSQ
 NLSINPMLLL TGRTWKGAIF GGFKSKESVP KLVADFMACK FSLDALITNI
 LPFEKINEGF DLLRSGKSIR 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 ADH1C alcohol dehydrogenase 1C (class I), gamma polypeptide [Homo sapiens]

Official Symbol ADH1C

Synonyms ADH1C; alcohol dehydrogenase 1C (class I), gamma polypeptide; ADH3; alcohol dehydrogenase 1C; ADH, gamma subunit; aldehyde reductase; alcohol dehydrogenase subunit gamma; alcohol dehydrogenase 3 (class I), gamma polypeptide

Gene ID 126

mRNA Refseq NM_000669

Protein Refseq NP_000660

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MIM	103730
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UniProt ID	P00326
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