

Recombinant Full Length Human ADH1C Protein, GST-tagged

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

SPECIFICATION

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| 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 AGIVESVGEV VTTVKPGDKV IPLFTPQCGK CRICKNPESN YCLKNDLGNP RGTLDGTRR FTCSGKPIHH FVGVSTFSQY TVVDENAVAK IDAASPLEKV CLIGCGFSTG YGSAVKVAKV TPGSTCAVFG |

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LGGVGLSVVM GCKAAGAARI IAVDINKDKF AKAKELGATE CINPQDYKKP
IQEVLKEMTD GGVD FSFEVI 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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