

Recombinant Human ADH1C Protein, His&GST-tagged

Cat. No. ADH1C-77H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADH1C Protein (Ser2-Phe375) with N-His&GST tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Ser2-Phe375
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 to acetaldehyde, thus playing 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. An association between ADH1C polymorphism and alcohol dependence has not been established.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 69.7 kDa Accurate Molecular Mass: 70 kDa

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Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	ADH1C alcohol dehydrogenase 1C (class I), gamma polypeptide [Homo sapiens (human)]
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

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Protein Refseq	NP_000660
MIM	103730
UniProt ID	P00326

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