

Product information



ADH1C, 1-375aa

Human, His-tagged, Recombinant, *E.coli*

Cat. No. IBATGP1593

Full name: alcohol dehydrogenase 1C

NCBI Accession No.: NP_000660

Synonyms: ADH3

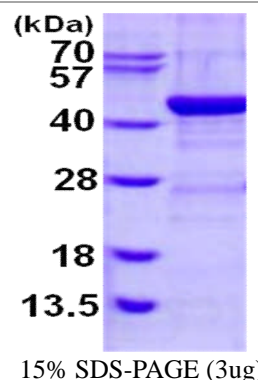
Description: Alcohol dehydrogenase 1C, also known as ADH1C, belongs to the zinc-containing alcohol dehydrogenase family. Members of this enzyme family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. ADH1 is a monomeric and predominant in fetal and infant livers, becoming less active in gestation and only weakly active during adulthood. Recombinant human ADH1C protein, fused to His-tag at N-terminus, was expressed in *E.coli* and purified by using conventional chromatography techniques.

Form: Liquid. In 20 mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT, 200mM NaCl

Molecular Weight: 42.4kDa (399aa) confirmed by MALDI-TOF

Purity: > 90% by SDS - PAGE

Concentration: 0.5mg/ml (determined by Bradford assay)



Sequences of amino acids:

MGSSHHHHHH SSGLVPRGSH MGSMMSTAGK VIKCKAAVLW ELKKPFSIEE VEVAPPKAHE VRIKMVAAGI CRSDEHVVSG NLVTPLPVIL
GHEAAGIVES VEGEVTTVKP GDKVIPLFTP QCGKCRICKN PESNYCLKND LGNPRGTLQD GTRRFTCSGK PIHFFVGVST FSQYTVVDEN
AVAKIDAASP LEKVCLIGCG FSTGYGSAVK VAKVTPGSTC AVFGLGGVGL SVVMGCKAAG AARIIVAVDIN KDKFAKAKEL GATECINPQD
YKKPIQEVLLK EMTDGGVDFS FEVIGRLDTM MASLLCCEHA CGTSVIVGVP PDSQNLSINP MLLLTGRTWK GAIFGGFKSK ESVPKLVADF
MAKFKSLDAL ITNILPFEKI NEGFDLLRSG KSIRTVLTF

General references:

Jelski W., *et al.* (2007) *Dig Dis Sci.* 52:1513-1516.

Smith M., *et al.* (1973) *Ann Hum Genet.* 36:401-414.

Storage: Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C.
Avoid repeated freezing and thawing cycles.

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.



Immuno-Biological Laboratories, Inc. (IBL-America)
8201 Central Ave. NE, Suite P, Minneapolis, Minnesota 55432, USA
Phone: (888) 523-1246 Fax.: (763) 780-2988
Email: info@ibl-america.com Web: www.ibl-america.com