

Product information

ADH1C, 1-375aa

Human, His-tagged, Recombinant, Insect cell

Cat. No. IBATGP3481

Full name: Alcohol dehydrogenase 1C

NCBI Accession No.: NP_000660

Synonyms: ADH1C, ADH3

Description: ADH1C, also known as Alcohol dehydrogenase 1C, 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. 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. It 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 C-terminus, was expressed in insect cell and purified by using conventional chromatography techniques.

Form: Liquid. In Phosphate Buffered Saline (pH 7.4) containing 10% glycerol.

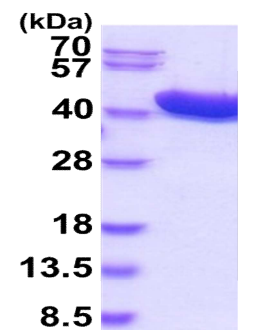
Molecular Weight: 40.6kDa (381aa)
40-57KDa (SDS-PAGE under reducing conditions.)

Predicted N terminal: Met 1

Purity: > 95% by SDS – PAGE.

Concentration: 1.0mg/ml (determined by Absorbance at 280nm)

Endotoxin Level: < 1.0 EU per 1µg of protein (determined by LAL method)



15% SDS-PAGE (3µg)

Sequences of amino acids:

MSTAGKVIKC KAAVLWELKK PFSIEEVEVA PPKAHEVRIK MVAAGICRSD EHVSGNLVT PLPVILGHEA AGIVESVGEV VTTVKPGDKV
IPLFTPQCGK CRICKNPESN YCLKNDLGNP RGTLDQGTTR FTCSGKPIHH FVGSTFSQY TVVDENAVAK IDAASPLEKV CLIGCGFSTG
YGSVAVKAKV TPGSTCAVFG LGGVGLSVVM GCKAAGAARI IAVDINKDKF AKAKELGATE CINPQDYKKP IQEVLKEMTD GGVDFFSFEVI
GRLDTMMASL LCCHEACGTS VIVGVPPDSQ NLSINPMLLL TGRTWKGAIF GGFKSKESVP KLVADFMAKK FSLDALITNI LPFEKINEGF
DLLRSGKSIR TVLTFHHHHH H

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



Manufactured for:

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

Product information

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.



Manufactured for:

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