

Recombinant human ADH1C protein

Catalog Number: ATGP1593

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-375aa

UniProt No.

P00326

NCBI Accession No.

NP_000660

Alternative Names

alcohol dehydrogenase 1C, ADH3

PRODUCT SPECIFICATION

Molecular Weight

42.4 kDa (399aa) confirmed by MALDI-TOF

Concentration

0.5mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 2mM DTT, 200mM NaCl

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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 monomorphic 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.

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Amino acid Sequence

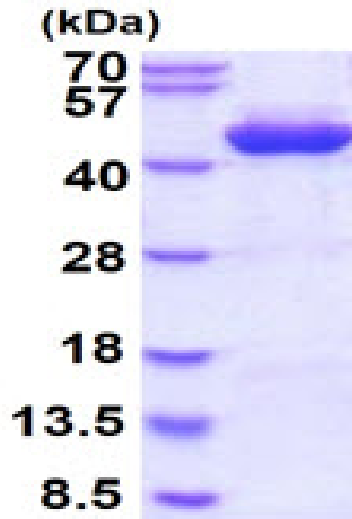
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CRSDEHVVSGL NLVTPLPVIL GHEAAGIVES VEGEVTTVKP GDKVIPLFTP QCGKCRICKN PESNYCLKND LGNPRGTLQD
GTRRFTCSGK PIHHFVGVST FSQYTVVDEN AVAKIDAASP LEKVCLIGCG FSTGYGSAVK VAKVTPGSTC AVFGLGGVGL
SVVMGCKAAG AARIIVADIN KDKFAKAKEL GATECINPQD YKKPIQEVK EMTDGGVDFS FEVIGRLDTM MASLLCCEHA
CGTSVIVGVP PDSQNLSINP MLLLTGRTWK GAIFGGFKSK ESVPKLVADF MAKKFSLDAL ITNILPFEDI 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.

DATA

SDS-PAGE



3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3ug)