

Recombinant human ADH6 protein

Catalog Number: ATGP1564

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-375aa

UniProt No.

P28332

NCBI Accession No.

NP_001095940

Alternative Names

Alcohol dehydrogenase 6, ADH-5

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 30% glycerol, 0.15M NaCl, 1mM DTT

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

ADH6, also known as alcohol dehydrogenase 6, is a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. This protein is expressed in the stomach as well as in the liver, and it contains a glucocorticoid response element upstream of its 5' uTR, which is a steroid hormone receptor binding site. Recombinant human ADH6 protein, fused to His-tag at N-terminus, was expressed in E. coli and purified by using conventional chromatography.

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Amino acid Sequence

MGSSHHHHHH SSGLVPRGSH MGSHMSTTGQ VIRCKAAILW KPGAPFSIEE VEVAPPKAKE VRIKVVATGL CGTEMKVLGS
KHLDLLYPTI LGHEGAGIVE SIGEGVSTVK PGDKVITLFL PQCGETSCL NSEGNFCIQF KQSKTQLMSD GTSRFTCKGK
SIYHFGNTST FCEYTVIKEI SVAKIDAVAP LEKVCLISCG FSTGFGAAIN TAKVTPGSTC AVFGLGGVGL SVVMGCKAAG
AARIIGVDVN KEKFKKAQEL GATECLNPQD LKKPIQEVLF DMTDAGIDFC FEAIGNLDVL AAALASCNES YGVCVVVGVL
PASVQLKISG QLFFSGRSLK GSVFGGWKSR QHIPKLVADY MAEKLNDPL ITHTLNLDKI NEAVELMKTG KCIRCILL

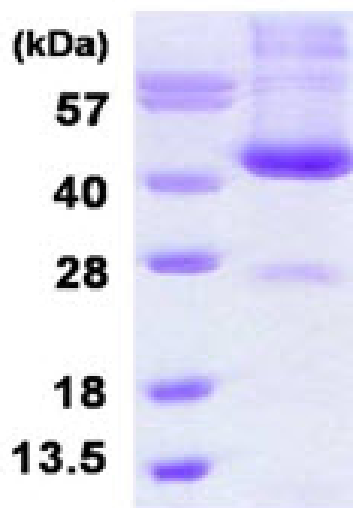
General References

Yasunami M., et al. (1991) Proc. Natl. Acad. Sci. u.S.A. 88:7610-7614

Hillier L.W., et al. (2005) Nature. 434:724-731

DATA

SDS-PAGE



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

15% SDS-PAGE (3ug)