

# Recombinant human ADH6 protein

Catalog Number: ATGP1564

## PRODUCT INFORMATION

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### Expression system

E.coli

### Domain

1-375aa

### UniProt No.

P28332

### NCBI Accession No.

NP\_001095940

### Alternative Names

Alcohol dehydrogenase 6, ADH-5

## PRODUCT SPECIFICATION

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### 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

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### 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

MGSSHHHHHHH SSGLVPRGSH MGSMMSTTGQ 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 YGVCVVVGV  
PASVQLKISG QLFFSGRSLK GSVFGGWKS RQHIPKLVADY MAEKLNLDP LITHTLNLDKI NEAVELMKTG KCIRCILL

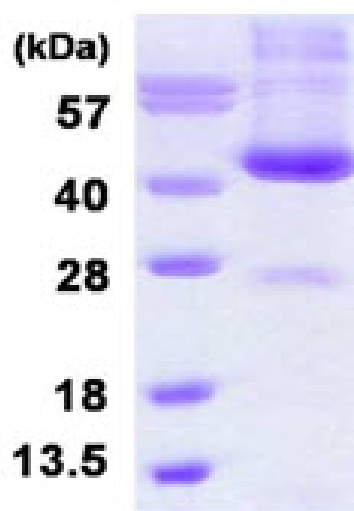
## General References

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)