

Product information

ADH6, 1-375aa

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

Cat. No. IBATGP1564

Full name: Alcohol dehydrogenase 6

NCBI Accession No.: NP_001095940

Synonyms: ADH-5

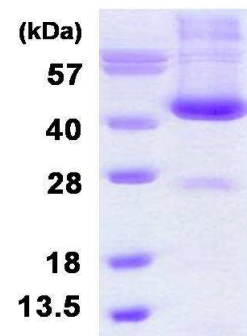
Description: ADH6, also known as alcohol dehydrogenase 6, is a member of the alcohol dehydrogenase family. Members of this family metabolize a wide variety of substrates, including ethanol, retinol, other aliphatic alcohols, hydroxysteroids, and lipid peroxidation products. This protein is expressed 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.

Form: Liquid. 20mM Tris-HCl buffer (pH8.0) containing 30% glycerol,
0.15M NaCl, 1mM DTT

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

Purity: > 90% by SDS - PAGE

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



15% SDS-PAGE (3ug)

Sequences of amino acids:

MGSSHHHHH 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 FEAI GNLDVL AAALASCNES YGVCVVVGV L PASVQLKISG QLFFSGRSLK GSVFGGWKSR QHIPKLVADY
 MAEKLNDPL ITHTLNLDKI NEAVELMKTG KCIRCI LLL

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

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.