

Recombinant Full Length Human ADH4 Protein, GST-tagged

Cat. No. ADH4-926HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADH4 full-length ORF (AAH22319.1, 1 a.a. - 380 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	380 amino acids
Description	This gene encodes class II alcohol dehydrogenase 4 pi subunit, which is a member of the 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 II alcohol dehydrogenase is a homodimer composed of 2 pi subunits. It exhibits a high activity for oxidation of long-chain aliphatic alcohols and aromatic alcohols and is less sensitive to pyrazole. This gene is localized to chromosome 4 in the cluster of alcohol dehydrogenase genes. [provided by RefSeq, Jul 2008]
Molecular Mass	66.6 kDa
AA Sequence	MGTKGKVIKC KAAIAWEAGK PLCIEEVEVA PPKAHEVRIQ IIATSLCHTD ATVIDSKFEG LAFPVIVGHE AAGIVESIGP GVTNVKPGDK VIPLYAPLCR KCKFCLSPLT NLCGKISNLK SPASDQQLME DKTSRFTCKG KPVYHFFGTS TFSQYTVVSD INLAKIDDDA NLERVCLLGC GFSTGYGAAI NNAKVTPGST CAVFGLGGVG LSAVMGCKAA GASRIIGIDI NSEKFVKAKA LGATDCLNPR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DLHKPIQEV IELTKGGVDF ALDCAGGSET MKAALDCTTA GWGSCTFIGV
AAGSKGLTVF PEELIIGRTI NGTFFGGWKS VDSIPKLVTD YKNKKFNLDA
LVTHTLPPFDK ISEAFDLMNQ GKSIRTILIF

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

ADH4 alcohol dehydrogenase 4 (class II), pi polypeptide [Homo sapiens]

Official Symbol

ADH4

Synonyms

ADH4; alcohol dehydrogenase 4 (class II), pi polypeptide; alcohol dehydrogenase 4;
ADH 2; aldehyde reductase; alcohol dehydrogenase class II pi chain; ADH-2

Gene ID

127

mRNA Refseq

NM_000670

Protein Refseq

NP_000661

MIM

103740

UniProt ID

P08319

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