

Recombinant Human ADH4 Protein, GST-tagged

Cat. No. ADH4-347H **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	Wheat Germ
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	MGTKGKVIKCKAAIAWEAGKPLCIEEVEVAPPKAHEVRIQIIATSLCHTDATVIDSKFE GLAFPVIVGHEAAGIVESIGPGVTNVKPGDKVIPLYAPLCRKCKFCLSPLTNLCGKISN LKSPASDQQLMEDKTSRFTCKGKPVYHFFGTSTFSQYTVVSDINLAKIDDDANLERV CLLGCGFSTGYGAAINNAKVTPGSTCAVFGLGGVGLSAVMGCKAAGASRIIGIDINSE KFVKAKALGATDCLNPRDLHKPIQEVIIELTKGGVDFALDCAGGSETMKAALDCTTAG WGSCTFIGVAAGSKGLTVFPEELIIGRTINGTFFGGWKSVD SIPKLVTDYKNKKFNLD

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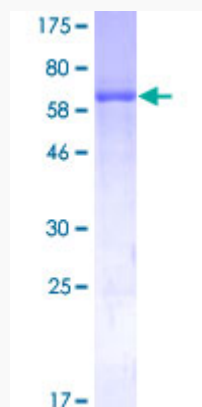
 45-1 Ramsey Road, Shirley, NY 11967, USA

	ALVTHTLPFDKISEAFDLMNQGKSIRTILIF
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
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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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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