

Recombinant Human ADH7 Protein, GST-tagged

Cat. No. ADH7-353H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ADH7 full-length ORF (NP_000664.2, 1 a.a. - 386 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene encodes class IV alcohol dehydrogenase 7 mu or sigma subunit, which 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. The enzyme encoded by this gene is inefficient in ethanol oxidation, but is the most active as a retinol dehydrogenase; thus it may participate in the synthesis of retinoic acid, a hormone important for cellular differentiation. The expression of this gene is much more abundant in stomach than liver, thus differing from the other known gene family members. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2009]
Molecular Mass	67.9 kDa
AA Sequence	MFAEIQIQDKDRMGTAGKVIKCKAAVLWEQKQPFSEIEEVAPPKTKEVRIKILATGIC RTDDHVIKGTMVSKFPVIVGHEATGIVESIGEGVTTVKPGDKVIPLFLPQCRECNACR NPDGNLCIRSDITGRGVLADGTTTFTCKGKPVHHFMNTSTFTEYTVVDESSVAKIDD AAPPEKVCLIGCGFSTGYGAAVKTGKVKPGSTCVVFGGLGGVGLSVIMGCKSAGASRI IGIDLNKDKFEKAMAVGATECISPKDSTKPISEVLSEMTGNNVGTYTFEVIGHLETMIDA

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	LASCHMNYGTSVVVGVPSSAKMLTYDPMLLFTGRTWKGCVFGLKSRDDVPKLVT EFLAKKFDLDQLITHVLPFKKISEGFELLNSGQSIRTVLTF
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	ADH7 alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide [Homo sapiens]
Official Symbol	ADH7
Synonyms	ADH7; alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide; alcohol dehydrogenase class 4 mu/sigma chain; ADH 4; retinol dehydrogenase; alcohol dehydrogenase-7; alcohol dehydrogenase VII; gastric alcohol dehydrogenase; class IV sigma-1 alcohol dehydrogenase; class IV sigmasigma alcohol dehydrogenase; alcohol dehydrogenase class IV mu/sigma chain; ADH4;
Gene ID	131
mRNA Refseq	NM_000673
Protein Refseq	NP_000664

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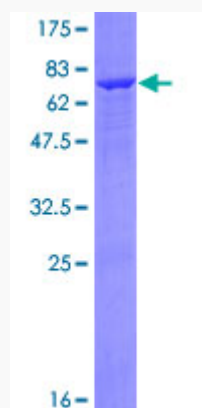
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MIM 600086

UniProt ID P40394

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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