

Recombinant Human ADH7 Protein (1-386 aa), His-tagged

Cat. No. ADH7-308H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ADH7 Protein (1-386 aa) is produced by E. coli expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Metabolism. Protein Description: Full Length.
Species	Human
Source	E.coli
ProteinLength	1-386 aa
Description	Could function in retinol oxidation for the synthesis of retinoic acid, a hormone important for cellular differentiation. Medium-chain (octanol) and aromatic (m-nitrobenzaldehyde) compounds are the best substrates. Ethanol is not a good substrate but at the high ethanol concentrations reached in the digestive tract, it plays a role in the ethanol oxidation and contributes to the first pass ethanol metabolism.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	45.5 kDa
AA Sequence	MFAEIQIQDKDRMGTAGKVIKCKAAVLWEQKQPFSEIEIEVAPPKTKEVRIKILATGIC RTDDHVIKGTMVSKFPVIVGHEATGIVESIGEGVTTVKPGDKVIPLFLPQCRCNACR NPDGNLCIRSDITGRGVLADGTTTRFTCKGKPVHHFMNTSTFTEYTVVDESSVAKIDD AAPPEKVCLIGCGFSTGYGAAVKTKGKVKPGSTCVVFGGLGGVGLSVIMGCKSAGASRI IGIDLNKDKFEKAMAVGATECISPKDSTKPISEVLSEMTGNNVGYTFEVIHLETMIDA

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LASCHMNYGTSVVVGVPPSAKMLTYDPMLLFTGRTWKGCVFGGLKSRDDVPKLVT
EFLAKKFDLDQLITHVLPFKKISEGFELLNSGQSIRTVLTF

Purity > 90% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA with concentration instruction is sent along with the products.

GENE INFORMATION

Gene Name [ADH7 alcohol dehydrogenase 7 \(class IV\), mu or sigma polypeptide \[Homo sapiens \]](#)

Official Symbol [ADH7](#)

Synonyms ADH7; ADH 4; ADH4;

Gene ID [131](#)

mRNA Refseq [NM_000673](#)

Protein Refseq [NP_000664](#)

MIM [600086](#)

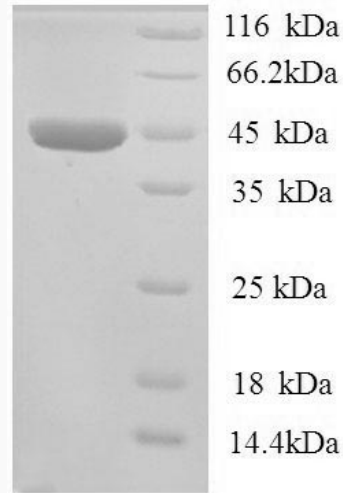
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UniProt ID

P40394



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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