

Recombinant Human ADH7, His-tagged

Cat. No. ADH7-20H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Alcohol Dehydrogenase Class 4 Mu/Sigma Chain/ADH7 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Met1-Phe386) of Human ADH7 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	1-386 a.a.
AA Sequence	MFAEIQIQDKDRMGTAGKVIKCKAAVLWEQKQPFSEIEVAPPKTKEVRIKILATGIC RTDDHV IKGTMVSKFPVIVGHEATGIVESIGEGVTTVKPGDKVIPLFLPQCRECNACR NPDGNLCIRSDIT GRGVLADGTTTRFTCKGKPVHHFMNTSTFTEYTVVDESSVAKIDD AAPPEKVCLIGCGFSTGYGAA VKTGKVKPGSTCVVFGGLGGVGLSVIMGCKSAGASR IIGIDLNKDKFEKAMAVGATECISPKDSTK PISEVLSEMTGNNVGYTFEVIHLETMID ALASCHMNYGTSVVVGVPVPSAKMLTYDPMLLFTGRT WKGCVFGGLKSRDDVPKLV TEFLAKKFDLDQLITHVLPFKKISEGFELLNSGQSIRTVLTFVDHH HHHH
Endotoxin	Less than 0.1 ng/μg (1 IEU/μg).
Purity	Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

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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
MIM	600086
UniProt ID	P40394
Chromosome Location	4q23-q24
Pathway	Biological oxidations, organism-specific biosystem; Drug metabolism - cytochrome P450, organism-specific biosystem; Drug metabolism - cytochrome P450, conserved biosystem; Ethanol oxidation, organism-specific biosystem; Fatty Acid Omega Oxidation, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem;
Function	alcohol dehydrogenase (NAD) activity; alcohol dehydrogenase activity, zinc-dependent; aldehyde oxidase activity; ethanol binding; metal ion binding; nucleotide

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binding; oxidoreductase activity; receptor antagonist activity; retinol binding; retinol dehydrogenase activity; zinc ion binding;

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