

Recombinant Human ADH4 Protein, N-GST and C-His tagged

Cat. No. ADH4-12H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of Human alcohol dehydrogenase 4 (class II), pi polypeptide (ADH4) with a N-GST and C-His tag was expressed in E. coli.
Species	Human
Source	E.coli
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.
Molecular Mass	68.2 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Notes	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.

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Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method
Storage Buffer	50 mM Tris-HCl, pH 8.0, 8 M urea

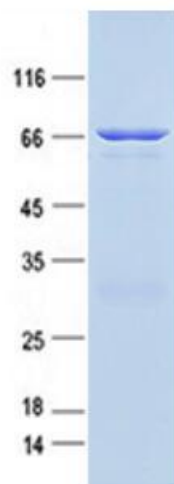
GENE INFORMATION

Gene Name	ADH4 alcohol dehydrogenase 4 (class II), pi polypeptide [Homo sapiens (human)]
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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SDS-PAGE

Purified recombinant protein ADH4 was analyzed by SDS-PAGE gel and Coomossie Blue Staining.

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