

Recombinant Human ADH5 Protein (M1-I374), GST tagged

Cat. No. ADH5-0257H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human GST-TEV-ADH5(M1-I374 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	M1-I374
Description	Catalyzes the oxidation of long-chain primary alcohols and the oxidation of S-(hydroxymethyl) glutathione. Also oxidizes long chain omega-hydroxy fatty acids, such as 20-HETE, producing both the intermediate aldehyde, 20-oxoarachidonate and the end product, a dicarboxylic acid, (5Z,8Z,11Z,14Z)-eicosatetraenedioate. Class-III ADH is remarkably ineffective in oxidizing ethanol.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%
Stability	Samples are stable for up to twelve months from date of receipt at -20 to -80 centigrade.
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles

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Storage Buffer Supplied as sterile 50 mM Tris-HCl (pH7.5), 200 mM NaCl, 20% glycerol

Shipping It is shipped out with blue ice.

GENE INFORMATION

Gene Name [ADH5 alcohol dehydrogenase 5 \(class III\), chi polypeptide \[Homo sapiens \(human\) \]](#)

Official Symbol [ADH5](#)

Synonyms

ADH5; alcohol dehydrogenase 5 (class III), chi polypeptide; FDH, formaldehyde dehydrogenase; alcohol dehydrogenase class-3; ADH 3; ADHX; formaldehyde dehydrogenase; alcohol dehydrogenase class-III; alcohol dehydrogenase class chi chain; S-(hydroxymethyl)glutathione dehydrogenase; glutathione-dependent formaldehyde dehydrogenase; alcohol dehydrogenase (class III), chi polypeptide; FDH; ADH-3; FALDH; GSNOR; GSH-FDH;

Gene ID [128](#)

mRNA Refseq [NM_000671](#)

Protein Refseq [NP_000662](#)

MIM [103710](#)

UniProt ID [P11766](#)

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