

Recombinant Human ADH5

Catalog No: #GP13144



Package Size: #GP13144-1 100ug

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Description

Product Name	Recombinant Human ADH5
Brief Description	Recombinant Protein
Immunogen Description	Fusion protein corresponding to a region derived from 175-374 amino acids of human ADH5
Target Name	alcohol dehydrogenase 5 (class III), chi polypeptide
Other Names	FDH; ADHX; ADH-3; FALDH; GSNOR; GSH-FDH; HEL-S-60p
Accession No.	Swissprot:P11766Gene Accession:BC014665
Uniprot	P11766
GeneID	128;
Storage	-20~-80°C, pH 7.6 PBS

Background

This gene encodes 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 encoded protein forms a homodimer. It has virtually no activity for ethanol oxidation, but exhibits high activity for oxidation of long-chain primary alcohols and for oxidation of S-hydroxymethyl-glutathione, a spontaneous adduct between formaldehyde and glutathione. This enzyme is an important component of cellular metabolism for the elimination of formaldehyde, a potent irritant and sensitizing agent that causes lacrymation, rhinitis, pharyngitis, and contact dermatitis. The human genome contains several non-transcribed pseudogenes related to this gene.

References

Note: For in vitro research use only, not for diagnostic or therapeutic use. This product is not a medical device.

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