

Recombinant Human ADH7 Protein (G14-F386), His tagged

Cat. No. ADH7-0251H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human 6His-TEV-adh7(G14-F386 end) Protein was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	G14-F386
Description	Catalyzes the NAD-dependent oxidation of all-trans-retinol, alcohol, and omega-hydroxy fatty acids and their derivatives. Oxidizes preferentially all trans-retinol, all-trans-4-hydroxyretinol, 9-cis-retinol, 2-hexenol, and long chain omega-hydroxy fatty acids such as juniperic acid. In vitro can also catalyzes the NADH-dependent reduction of all-trans-retinal and aldehydes and their derivatives. Reduces preferentially all trans-retinal, all-trans-4-oxoretinal and hexanal. Catalyzes in the oxidative direction with higher efficiency. Therefore may participate in retinoid metabolism, fatty acid omega-oxidation, and elimination of cytotoxic aldehydes produced by lipid peroxidation.
Form	Liquid
Endotoxin	< 0.01 EU per µg of the protein
Purity	90%

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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
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	ADH7 alcohol dehydrogenase 7 (class IV), mu or sigma polypeptide [Homo sapiens (human)]
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

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UniProt ID

P40394

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