

Recombinant Mouse Aldh3a1 Protein, MYC/DDK-tagged

Cat. No. Aldh3a1-571M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of full-length mouse aldehyde dehydrogenase family 3, subfamily A1 (Aldh3a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	ALDHs play a major role in the detoxification of alcohol-derived acetaldehyde (Probable). They are involved in the metabolism of corticosteroids, biogenic amines, neurotransmitters, and lipid peroxidation (Probable). Oxidizes medium and long chain aldehydes into non-toxic fatty acids. Preferentially oxidizes aromatic aldehyde substrates. Comprises about 50 percent of corneal epithelial soluble proteins. May play a role in preventing corneal damage caused by ultraviolet light.
Molecular Mass	50.5 kDa
Purity	>80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 µg/mL as determined by microplate BCA method

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Storage Buffer 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name [Aldh3a1 aldehyde dehydrogenase family 3, subfamily A1 \[Mus musculus \(house mouse\) \]](#)

Official Symbol [Aldh3a1](#)

Synonyms Aldh3a1; aldehyde dehydrogenase family 3, subfamily A1; Ahd4; Aldh; Ahd-4; Aldh3; aldehyde dehydrogenase, dimeric NADP-preferring; alcohol dehydrogenase family 3, subfamily A1; aldehyde dehydrogenase 3, stomach cytosolic (class 3); aldehyde dehydrogenase 4; aldehyde dehydrogenase family 3 member A1; dioxin-inducible aldehyde dehydrogenase 3; EC 1.2.1.5

Gene ID [11670](#)

mRNA Refseq [NM_007436](#)

Protein Refseq [NP_031462](#)

UniProt ID [P47739](#)

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