

Recombinant Mouse Aldh9a1 Protein, Myc/DDK-tagged

Cat. No. Aldh9a1-1595M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length aldehyde dehydrogenase 9, subfamily A1 (Aldh9a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Converts gamma-trimethylaminobutyraldehyde into gamma-butyrobetaine with high efficiency (in vitro). Can catalyze the irreversible oxidation of a broad range of aldehydes to the corresponding acids in an NAD-dependent reaction, but with low efficiency.
Molecular Mass	53.5 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
Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

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Gene Name	Aldh9a1 aldehyde dehydrogenase 9, subfamily A1 [Mus musculus (house mouse)]
Official Symbol	Aldh9a1
Synonyms	ALDH9A1; aldehyde dehydrogenase 9, subfamily A1; 4-trimethylaminobutyraldehyde dehydrogenase; gamma-aminobutyraldehyde dehydrogenase; aldehyde dehydrogenase family 9 member A1; Abaldh; ESTM40; Tmabadh; AA139417; TMABA-DH
Gene ID	56752
mRNA Refseq	NM_019993
Protein Refseq	NP_064377
UniProt ID	Q9JLJ2

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