

Recombinant Mouse Aldh4a1 Protein, Myc/DDK-tagged

Cat. No. Aldh4a1-1593M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length aldehyde dehydrogenase 4 family, member A1 (Aldh4a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Irreversible conversion of delta-1-pyrroline-5-carboxylate (P5C), derived either from proline or ornithine, to glutamate. This is a necessary step in the pathway interconnecting the urea and tricarboxylic acid cycles. The preferred substrate is glutamic gamma-semialdehyde, other substrates include succinic, glutaric and adipic semialdehydes.
Molecular Mass	61.8 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.

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GENE INFORMATION

Gene Name Aldh4a1 aldehyde dehydrogenase 4 family, member A1 [Mus musculus (house mouse)]

Official Symbol Aldh4a1

Synonyms ALDH4A1; aldehyde dehydrogenase 4 family, member A1; delta-1-pyrroline-5-carboxylate dehydrogenase, mitochondrial; P5C dehydrogenase; aldehyde dehydrogenase family 4 member A1; Ahd1; P5cd; Ahd-1; Aldh4; P5cdh; Ssdh1; P5cdhl; P5cdhs; Aldh5a1; E330022C09; A930035F14Rik

Gene ID 212647

mRNA Refseq NM_175438

Protein Refseq NP_780647

UniProt ID Q8CHT0

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