

Recombinant Mouse Aldh18a1 Protein, Myc/DDK-tagged

Cat. No. Aldh18a1-1590M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length aldehyde dehydrogenase 18 family, member A1 (Aldh18a1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Bifunctional enzyme that converts glutamate to glutamate 5-semialdehyde, an intermediate in the biosynthesis of proline, ornithine and arginine.
Molecular Mass	87.3 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	Aldh18a1 aldehyde dehydrogenase 18 family, member A1 [Mus musculus (house mouse)]
Official Symbol	Aldh18a1
Synonyms	ALDH18A1; aldehyde dehydrogenase 18 family, member A1; delta-1-pyrroline-5-carboxylate synthase; P5CS; glutamate gamma-semialdehyde synthetase; aldehyde dehydrogenase family 18 member A1; delta-1-pyrroline-5-carboxylate synthetase; pyrroline-5-carboxylate synthetase (glutamate gamma-semialdehyde synthetase); Pycs; AI429789; 2810433K04Rik; MGC32233
Gene ID	56454
mRNA Refseq	NM_153554
Protein Refseq	NP_705782
UniProt ID	Q9Z110

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