

Recombinant Mouse Aldh1l1 Protein, His-tagged

Cat. No. Aldh1l1-117M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Aldh1l1 Protein (Thr417-Tyr902) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Thr417-Tyr902
Description	Predicted to enable aldehyde dehydrogenase (NAD ⁺) activity; aldehyde dehydrogenase (NADP ⁺) activity; and formyltetrahydrofolate dehydrogenase activity. Predicted to be involved in 10-formyltetrahydrofolate catabolic process and biosynthetic process. Predicted to act upstream of or within one-carbon metabolic process. Located in mitochondrion. Is expressed in several structures, including alimentary system; brown fat; genitourinary system; nervous system; and sensory organ. Orthologous to human ALDH1L1 (aldehyde dehydrogenase 1 family member L1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 56.6 kDa Accurate Molecular Mass: 57 kDa
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Aldh1l1 aldehyde dehydrogenase 1 family, member L1 [Mus musculus (house mouse)]
Official Symbol	Aldh1l1
Synonyms	ALDH1L1; aldehyde dehydrogenase 1 family, member L1; cytosolic 10-formyltetrahydrofolate dehydrogenase; 10-FTHFDH; formyltetrahydrofolate dehydrogenase; 10-formyltetrahydrofolate dehydrogenase; aldehyde dehydrogenase family 1 member L1; FDH; Fthfd; Neut2; 1810048F20Rik
Gene ID	107747
mRNA Refseq	NM_027406
Protein Refseq	NP_081682

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UniProt ID

Q8ROY6

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