

## Recombinant Mouse Aldh111 Protein, His-tagged

**Cat. No.** Aldh111-117M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Aldh111 Protein (Thr417-Tyr902) with N-His tag was expressed in E. coli.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Thr417-Tyr902
<b>Description</b>	Predicted to enable aldehyde dehydrogenase (NAD <sup>+</sup> ) activity; aldehyde dehydrogenase (NADP <sup>+</sup> ) 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).
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 56.6 kDa Accurate Molecular Mass: 57 kDa
<b>Purity</b>	> 90%

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<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.
<b>Stability</b>	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.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1 mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in sterile water to a concentration of 0.1-1.0 mg/mL. Do not vortex.

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">Aldh1l1 aldehyde dehydrogenase 1 family, member L1 [ Mus musculus (house mouse) ]</a>
<b>Official Symbol</b>	<a href="#">Aldh1l1</a>
<b>Synonyms</b>	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
<b>Gene ID</b>	<a href="#">107747</a>
<b>mRNA Refseq</b>	<a href="#">NM_027406</a>
<b>Protein Refseq</b>	<a href="#">NP_081682</a>

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UniProt ID

Q8R0Y6

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