

## Recombinant Mouse Aldh7a1 protein, His-tagged

**Cat. No.** Aldh7a1-1358M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse Aldh7a1 aa. (Met29~Gln539 (Accession # Q9DBF1) fused with N-terminal His tag was produced in E. coli cells.
<b>Species</b>	Mouse
<b>Source</b>	E.coli
<b>ProteinLength</b>	Met29~Gln539
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	57kDa as determined by SDS-PAGE reducing conditions.
<b>Endotoxin</b>	<1.0EU per 1g (determined by the LAL method)
<b>Purity</b>	>95%
<b>Characteristic</b>	The isoelectric point is 6.3.
<b>Applications</b>	SDS-PAGE; WB; ELISA; IP.
<b>Stability</b>	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the

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Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.

**Storage**

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

**Storage buffer**

Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.

**Reconstitution**

Reconstitute in sterile PBS, pH7.2-pH7.4.

## GENE INFORMATION

**Gene Name**

[Aldh7a1 aldehyde dehydrogenase family 7, member A1 \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol**

[Aldh7a1](#)

**Synonyms**

Aldh7a1; aldehyde dehydrogenase family 7, member A1; Atq1; D18Wsu181e; alpha-aminoadipic semialdehyde dehydrogenase; P6c dehydrogenase; aldehyde dehydrogenase 7 family, member A1; alpha-AASA dehydrogenase; antiquitin-1; betaine aldehyde dehydrogenase; delta1-piperidine-6-carboxylate dehydrogenase; delta1-piperidine-6-carboxylate dehydrogenase

**Gene ID**

[110695](#)

**mRNA Refseq**

[NM\\_001127338.1](#)

**Protein Refseq**

[NP\\_001120810.1](#)

**UniProt ID**

[Q9DBF1](#)

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