

Recombinant Mouse Aldh3b1 Protein, His-tagged

Cat. No. Aldh3b1-119M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Aldh3b1 Protein (Met1-Cys465) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Met1-Cys465
Description	Enables aldehyde dehydrogenase (NAD ⁺) activity. Predicted to be involved in cellular aldehyde metabolic process. Predicted to act upstream of or within aldehyde catabolic process and cellular response to oxidative stress. Located in cytosol and plasma membrane. Orthologous to human ALDH3B1 (aldehyde dehydrogenase 3 family member B1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 55.7 kDa Accurate Molecular Mass: 56 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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

[Aldh3b1](#) aldehyde dehydrogenase 3 family, member B1 [[Mus musculus](#) (house mouse)]

Official Symbol

[Aldh3b1](#)

Synonyms

ALDH3B1; aldehyde dehydrogenase 3 family, member B1; aldehyde dehydrogenase family 3 member B1; aldehyde dehydrogenase 7; ALDH4; ALDH7; 1700001N19Rik

Gene ID

[67689](#)

mRNA Refseq

[NM_026316](#)

Protein Refseq

[NP_080592](#)

UniProt ID

[Q80VQ0](#)

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