

Recombinant Human ALDH3B1 Protein, His-tagged

Cat. No. ALDH3B1-118H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH3B1 Protein (Met1-Glu459) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Glu459
Description	This gene encodes a member of the aldehyde dehydrogenase protein family. Aldehyde dehydrogenases are a family of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. The encoded protein is able to oxidize long-chain fatty aldehydes in vitro, and may play a role in protection from oxidative stress. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 54.7 kDa Accurate Molecular Mass: 55 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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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	ALDH3B1 aldehyde dehydrogenase 3 family, member B1 [Homo sapiens (human)]
Official Symbol	ALDH3B1
Synonyms	ALDH3B1; aldehyde dehydrogenase 3 family, member B1; ALDH7; aldehyde dehydrogenase family 3 member B1; aldehyde dehydrogenase 3B1; aldehyde dehydrogenase 7; ALDH4; FLJ26433; FLJ34710
Gene ID	221
mRNA Refseq	NM_000694
Protein Refseq	NP_000685
MIM	600466
UniProt ID	P43353

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