

Recombinant Human ALDH1B1 Protein, His-tagged

Cat. No. ALDH1B1-116H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH1B1 Protein (Arg18-Ser517) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Arg18-Ser517
Description	This protein belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. This gene does not contain introns in the coding sequence. The variation of this locus may affect the development of alcohol-related problems.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 59 kDa Accurate Molecular Mass: 59 kDa
Purity	> 95%
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

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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

ALDH1B1 aldehyde dehydrogenase 1 family, member B1 [Homo sapiens (human)]

Official Symbol

ALDH1B1

Synonyms

ALDH1B1; aldehyde dehydrogenase 1 family, member B1; ALDH5; aldehyde dehydrogenase X, mitochondrial; ALDHX; ALDH class 2; aldehyde dehydrogenase 5; acetaldehyde dehydrogenase 5; MGC2230

Gene ID

219

mRNA Refseq

NM_000692

Protein Refseq

NP_000683

MIM

100670

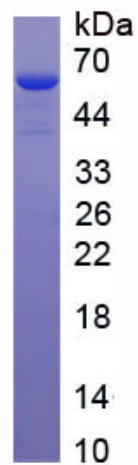
UniProt ID

P30837

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