

Recombinant Human Aldehyde Dehydrogenase 1 Family, Member B1, His-tagged

Cat. No. ALDH1B1-489H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ALDH1B1 protein was expressed as 6-his-tagged fusion protein by E. coli and purified by Ni-sepharose. The purified protein was resolved in 1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol. MW=12 kDa.
Species	Human
Source	E.coli
Description	ALDH1B1 belongs to the aldehyde dehydrogenases family of proteins. Aldehyde dehydrogenase is the second enzyme of the major oxidative pathway of alcohol metabolism. ALDH1B1 does not contain introns in the coding sequence. The variation of this locus may affect the development of alcohol-related problems.
Antigen peptide region	330-382aa
Molecular Weight	12 kDa
Full length	False
Storage	The protein is stored in PBS buffer at -20°C. Repeated freeze-thaw cycles should be avoided.

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GENE INFORMATION

Gene Name	ALDH1B1 aldehyde dehydrogenase 1family, member B1 [Homo sapiens]
Official Symbol	ALDH1B1
Synonyms	ALDH1B1;aldehyde dehydrogenase 1 family, member B1; ALDH5; ALDHX; aldehydedehydrogenase X, mitochondrial; ALDH class 2; aldehyde dehydrogenase 5;acetaldehyde dehydrogenase 5; MGC2230; EC 1.2.1.3; EC 1.2.1;OTTHUMP00000021399
Gene ID	219
mRNA Refseq	NM_000692
Protein Refseq	NP_000683
MIM	100670
UniProt ID	P30837
Chromosome Location	9p11.1
Pathway	Arginine and prolinemetabolism; Ascorbate and aldarate metabolism; Fatty acid metabolism; GABAbiosynthesis; Glycerolipid metabolism; Glycolysis / Gluconeogenesis;Histidine metabolism; Lysine degradation; Metabolic pathways; Pentose andglucuronate interconversions; Propanoate metabolism; Pyruvate metabolism;Tryptophan metabolism; Valine; beta-Alanine metabolism
Function	aldehydedehydrogenase (NAD) activity; oxidoreductase activity

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