

Recombinant Human ALDH1B1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ALDH1B1-5002H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALDH1B1 MS Standard C13 and N15-labeled recombinant protein (NP_000683) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	57.2 kDa
AA Sequence	MLRFLAPRLLSLQGRTARYSSAAALPSPILNPDIYNQLFINNEWQDAVSKKTFPTVN PTTGEVIGHVAEGDRADVDRVKAAREAFRLGSPWRRMDASERGRLLNLLADLVER DRVYLASLETLDNGKPFQESYALDLDEVIKVYRYFAGWADKWHGKTIPMDGQHFCF TRHEPVGVCGQIIPWNFPLVMQGWKLAPALATGNTVVMKVAEQTPLSALYLASLIKE AGFPPGVVNIITGYGPTAGAAIAQHMDVDKVAFTGSTEVGHLIQKAAGDSNLKRVTL ELGGKSPSIVLADADMEHAVEQCHEALFFNMGQCCCAGSRTFVEESIYNEFLERTV EKAKQRKVGNPFFELDTQQGPQVDKEQFERVLGYIQLGQKEGAKLLCGGERFGERG FFIKPTVFGGVQDDMRIAKEEIFGPVQPLFKFKKIEEVVERANNTRYGLAAAVFTRDL DKAMYFTQALQAGTVWVNTYNIVTCHTPFGGFKESGNGRELGEDGLKAYTEVKTVT

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IKVPQKNSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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

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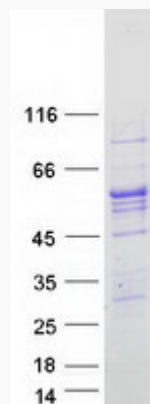
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UniProt ID

P30837

SDS-PAGE

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