

ALDH1B1 recombinant protein

Recombinant Human ALDH1B1 Protein

CATALOG # AAA55966	HOST E Coli AA 168-517 (P30837).	APPLICATIONS SDS-Page, ELISA, Western Blot
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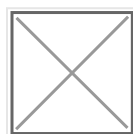
PRODUCT SYNONYMS

ALDH1B1; Recombinant Human ALDH1B1 Protein; ALDH5; ALDHX; Aldehyde Dehydrogenase X; Mitochondrial; Aldehyde dehydrogenase 5; Aldehyde Dehydrogenase 1 Family; Member B1.; ALDH1B1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli AA 168-517 (P30837).
Purity/Purification	> 90% as determined by SDS-PAGE
Form/Format	The purified protein was resolved in PBS (58 mM Na2HPO4, 17 mM NaH2PO4, 68 mM NaCl, pH 7.4). Added with 15 % glycerol. The elution buffer contain 300 mM imidazole
Concentration	0.5 mg/mL (varies by lot)
Sequence	FCFTRHEPVG VCGQIIPWNF PLVMQGWKLA PALATGNTVV MKVAEQTPLS ALYLASLIKE AGFPPGVVNI ITGYGPTAGA AIAQHMDVDK VAFTGSTEVG HLIQKAAGDS NLKRVTLLELG GKSPSIVLAD ADMEHAVEQC HEALFFNMGQ CCCAGSRTFV EESIYNEFLE RTVEKAKQRK VGNPFELDTQ QGPQVDKEQF ERVLGYIQLG QKEGAKLLCG GERFGERGFF IKPTVFGGVQ DDMRIAKEEI FGPVQPLFKF KKIEEVVERA NNTRYGLAAA VFTRDLKAM YFTQALQAGT VVWNTYNIVT CHTPFGGFKE SGNRELGED GLKAYTEVKT VTIKVPQKNS
Sequence Length	517
Applicable Applications for ALDH1B1 recombinant protein	SDS-PAGE, ELISA, WB (Western Blot)
Source	Human
Protein Residue	N-terminal 6*His-tagged.
Usage	ALDH1B1 Protein - Centrifuge the standard vial at 6000-10000rpm for 30s.
Preparation and Storage	Store it under sterile conditions at -20°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage. **Avoid repeated freeze-thaw cycles.** Stability :The recombinant protein is stable for up to 6-12 months from date of receipt at -80°C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for ALDH1B1 recombinant protein	Background: ALDH1B1 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. Hsu et al. (1989) cloned a novel ALDH gene, ALDH5, from a cosmid human DNA library. Although it contains no introns, Northern blot hybridization of human liver RNA revealed a unique mRNA component that hybridized with this gene probe but with neither the ALDH1 probe or the ALDH2 probe. ALDH5 encodes a deduced 517-amino acid protein that shares 70.6% and 62.8% sequence identity with the ALDH2 and ALDH1 proteins, respectively.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	25777730
NCBI GeneID	219
NCBI Accession #	NP_000683.3
NCBI GenBank Nucleotide #	NM_000692.4
UniProt Accession #	P30837; Q8WX76; Q9BV45; B2R8F0
Molecular Weight	Predicted MW: 42 kDa Observed MW: 42 kDa
NCBI Official Full Name	aldehyde dehydrogenase X, mitochondrial
NCBI Official Synonym Full Names	aldehyde dehydrogenase 1 family member B1
NCBI Official Symbol	ALDH1B1
NCBI Official Synonym Symbols	ALDH5; ALDHX
NCBI Protein Information	aldehyde dehydrogenase X, mitochondrial
UniProt Protein Name	Aldehyde dehydrogenase X, mitochondrial
UniProt Gene Name	ALDH1B1
UniProt Synonym Gene Names	ALDH5; ALDHX
UniProt Entry Name	AL1B1_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/aldh1b1-recombinant-protein-e-coli-aa-168-517-sds-page-elisa-wb-western-blot/55966>