

Product datasheet for **TP300684**

ALDH1B1 (NM_000692) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aldehyde dehydrogenase 1 family, member B1 (ALDH1B1), nuclear gene encoding mitochondrial protein, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200684 protein sequence Red =Cloning site Green =Tags(s)

MLRFLAPRLLSLQGRTARYSSAAALPSPILNPDIPYNQLFINNEWQDAVSKKTFPTVNPTTGEVIGHVAE
GDRADVDRAVKAAREAFRLGSPWRRMDASERGRLLNLLADLVERDRVYLASLETLDNGKPFQESYALDLD
EVIKVYRYFAGWADKWHGKTIPMDGQHFCFTRHEPVGVCQQIIPWNFPLVMQGWKLAPALATGNTVVM
KV

AEQTPLSALYLASLIKEAGFPPGVNIITGYGPTAGAAIAQHMDVDKVAFTGSTEVGHLIQKAAGDSNLK
RVTLELGGKSPSIVLADADMEHAVEQCHEALFFNMGQCCCAGSRTFVEESIYNEFLERTVEKAKQRKVG
PFELDTQQGPQVDKEQFERVLGYIQLGQKEGAKLLCGGERFGERGFFIKPTVFGGVQDDMRIAKEEIFGP
VQPLFKFKKIEEVERANNTYGLAAAVFTRDLKAMYFTQALQAGTVVWNTYNIVTCHTPFGGFKESGN
GRELGEDGLKAYTEVKTVTIKVPQKNS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

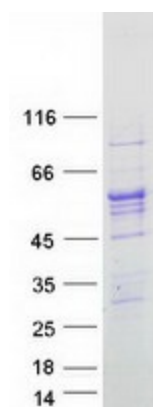
Tag:	C-Myc/DDK
Predicted MW:	55.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000683
Locus ID:	219
UniProt ID:	P30837
RefSeq Size:	3088
Cytogenetics:	9p13.1
RefSeq ORF:	1551
Synonyms:	ALDH5; ALDHX
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Arginine and proline metabolism, Ascorbate and aldarate metabolism, beta-Alanine metabolism, Butanoate metabolism, Fatty acid metabolism, Glycerolipid metabolism, Glycolysis / Gluconeogenesis, Histidine metabolism, Limonene and pinene degradation, Lysine degradation, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism, Tryptophan metabolism, Valine, leucine and isoleucine degradation

Product images:



Coomassie blue staining of purified ALDH1B1 protein (Cat# TP300684). The protein was produced from HEK293T cells transfected with ALDH1B1 cDNA clone (Cat# [RC200684]) using MegaTran 2.0 (Cat# [TT210002]).