

Product datasheet for TP316921

ALDH9A1 (NM_000696) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human aldehyde dehydrogenase 9 family, member A1 (ALDH9A1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC216921 representing NM_000696 Red =Cloning site Green =Tags(s)

MFLRAGLAALSPLLRLRSPVAAMSTGTFVWSQPLNYRGGARVEPADASGTEKAFEPATGRVIATFTCS
 GEKEVNLAVQNAKAAFKIWSQKSGMERCILLLEAARIIREREDEIATMECINNGKSIFEARLDIDISWQC
 LEYYAGLAASMAGEHIQLPGGSFGYTRREPLGVCVGIGAWNYPFQIASWKSAPALACGNAMVFKPSPFTP
 VSALLLAEIYSEAGVPPGLFNVVQGGGAATGQFLCQHPDVAKVSFTGSVPTGMKIMEMSAKGIKPVTLLELG
 GKSPLIIFSDCDMNNNAVKGALMANFLTQGVCCNGTRVVFVQKEILDKFTEEVVKQTQRIKIGDPLLEDTR
 MGPLINRPHLERVLGFVKVAKEQGAKVLCGGDIYVPEDPKLKDGYMRPCVLTNCRDDMTVCVKEEIFGPV
 MSILSFDTEAEVLERANDTTFGLAAGVFTRDIQRAHRVVAELQAGTCFINNYNVPVELPFGGYYKKSFGF
 RENGRVTIEYYSQTKTVCEMGDVESAF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

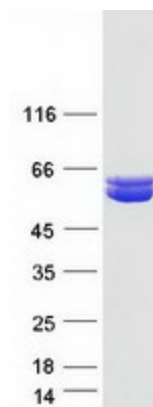
Tag:	C-Myc/DDK
Predicted MW:	56.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity 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_000687
Locus ID:	223
UniProt ID:	P49189
RefSeq Size:	2500
Cytogenetics:	1q24.1
RefSeq ORF:	1554
Synonyms:	ALDH4; ALDH7; ALDH9; E3; TMABA-DH; TMABADH; TMABALDH
Summary:	This protein belongs to the aldehyde dehydrogenase family of proteins. It has a high activity for oxidation of gamma-aminobutyraldehyde and other amino aldehydes. The enzyme catalyzes the dehydrogenation of gamma-aminobutyraldehyde to gamma-aminobutyric acid (GABA). This isozyme is a tetramer of identical 54-kD subunits. [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 ALDH9A1 protein (Cat# TP316921). The protein was produced from HEK293T cells transfected with ALDH9A1 cDNA clone (Cat# [RC216921]) using MegaTran 2.0 (Cat# [TT210002]).