

Recombinant Human ALDH9A1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ALDH9A1-6469H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALDH9A1 MS Standard C13 and N15-labeled recombinant protein (NP_000687) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	56.1 kDa
AA Sequence	MFLRAGLAALSPLLRLRSPVAAMSTGTFVVSQPLNYRGGARVEPADASGTEKAF EPATGRVIATFTCSGEKEVNLA VQNAKAAFKIWSQKSGMERCILLEAARIIREREDEI ATMECINNGKSIFEARLDIDISWQCLEY YAGLAASMAGEHIQLPGGSFGYTRREPLG VVCVGIGAWNYPFQIASWKSAPALACGNAMVFKPSPFTPVSALLLAEIYSEAGVPPGL FNVVQGGGAATGQFLCQHPDVAKVSFTGSVPTGMKIMEMSAKGIPVTLELGGKSPLI IFSDCDMNNAVKGALMANFLTQGGQVCCNGTRVFVQKEILDKFTEEVVKQTQRIKIGD PLLEDTRMGPLINRPHLERVLGFVKVAKEQGAKVLCGGDIYVPEDPKLKDGYMRP CVLTNCRDDMTVCVKEEIFGPVMSILSFDTEAEVLERANDTTFGLAAGVFTRDIQRAH RVVAELQAGTCFINNYNVSPVELPFGGYKKSGFGRENGRVTIEYYSQLKTVCVEMG

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DVESAFTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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	ALDH9A1 aldehyde dehydrogenase 9 family member A1 [Homo sapiens (human)]
Official Symbol	ALDH9A1
Synonyms	ALDH9A1; aldehyde dehydrogenase 9 family, member A1; ALDH4, ALDH7, ALDH9; 4-trimethylaminobutyraldehyde dehydrogenase; E3; aldehyde dehydrogenase (NAD+); aldehyde dehydrogenase E3 isozyme; R-aminobutyraldehyde dehydrogenase; gamma-aminobutyraldehyde dehydrogenase; aldehyde dehydrogenase family 9 member A1; ALDH4; ALDH7; ALDH9; TMABADH;
Gene ID	223
mRNA Refseq	NM_000696
Protein Refseq	NP_000687

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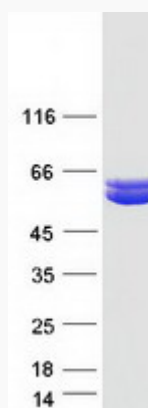
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MIM 602733

UniProt ID P49189

SDS-PAGE



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