

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

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

## SPECIFICATION

<b>Product Overview</b>	ALDH9A1 MS Standard C13 and N15-labeled recombinant protein (NP_000687) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	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.
<b>Molecular Mass</b>	56.1 kDa
<b>AA Sequence</b>	MFLRAGLAALSPLLRLRSPVAAMSTGTFVVSQPLNYRGGARVEPADASGTEKAF EPATGRVIATFTCSGEKEVNLA VQNAKAAFKIWSQKSGMERCILLEAARIIREREDEI ATMECINNGKSIFEARLDIDISWQCLEYYAGLAASMAGEHIQLPGGSFGYTRREPLG VCVGIGAWNYPFQIASWKSAPALACGNAMVFKPSPFTPVSALLLAEIYSEAGVPPGL FNVVQGG AATGQFLCQHPDVAKVSFTGVSPTGMKIMEMSAKGIPVTLELGGKSPLI IFSDCDMNAVKGALMANFLTQGGVCCNGTRVVFVQKEILDKFTEEVVKQTQRIKIGD PLLEDTRMGPLINRPHLERVLGFVKVAKEQGAKVLCGGDIYVPEDPKLKDGYYMRP CVLTNCRDDMTCVKEEIFGPVMSILSFDTEAEVLERANDTTFGLAAGVFTRDIQRAH 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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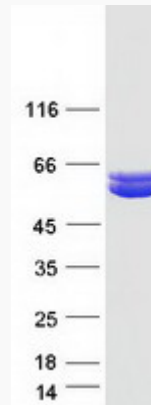
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MIM 602733

UniProt ID P49189

SDS-PAGE



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