

Recombinant Full Length Human ALDH9A1 Protein, GST-tagged

Cat. No. ALDH9A1-1418HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALDH9A1 full-length ORF (ENSP00000271359, 1 a.a. - 494 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	494 amino acids
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. [provided by RefSeq, Jul 2008]
Molecular Mass	80.2 kDa
AA Sequence	MSTGTFVVSQ PLNYRGGARV EPADASGTEK AFEPATGRVI ATFTCSGEKE VNLA VQNAKA AFKIWSQKSG MERCRILLEA ARIIREREDE IATMECINNG KSIFEARLDI DISWQCLEY Y AGLAASMAGE HIQLPGGSFG YTRREPLGVC VGIGAWNYPF QIASWKSAPA LACGNAMVFK PSPFTPVSAL LLAEIYSEAG VPPGLFNVVQ GGAATGQFLC QHPDVAKV SF TGSVPTGMKI MEMSAKGIKP VTLELGGKSP LIIFS DCDMN NAVKGALMAN FLTQGQVCCN GTRV FVQKEI LDKFTEEVVK QTQRIKIGDP LLEDTRMGPL INRPHL ERVL GFVKVAKEQG

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AKVLCGGDIY VPEDPKLKDG YYMRPCVLTN CRDDMTCVKE EIFGPVMSIL
 SFDTEAEVLE RANDTTFGLA AGVFTRDIQR AHRVVAELQA GTCFINNYNV
 SPVELPFGGY KKSGFGRENG RVTIEYYSQL KTVCVEMGDV ESAF

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

[ALDH9A1 aldehyde dehydrogenase 9 family, member A1 \[Homo sapiens \]](#)

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](#)

MIM

[602733](#)

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