

Recombinant Human ALDH9A1 Protein, GST-tagged

Cat. No. ALDH9A1-454H **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	Wheat Germ
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	MSTGTFVVSQPLNYRGGARVEPADASGTEKAFEPATGRVIATFTCSGEKEVNLA VQ NAKA AFKIWSQKSGMERCILLEAARIIREREDEIATMECINNGKSIFEARLDIDISWQ CLEYYAGLAASMAGEHIQLPGGSFGYTRREPLGVCVIGAWNYPFQIASWKSAPAL ACGNAMVFKPSPFTPVSALLLAEIYSEAGVPPGLFNVVQGAATGQFLCQHPDVAK VSFTGVSPTGMKIMEMSAKGIKPVTLELGGKSPLIIFSDCDMNAVKGALMANFLTQ GQVCCNGTRVVFVQKEILDKFTEEVVKQTQRIKIGDPLLEDTRMGLINRPHLERVLGF VKVAKEQGAKVLCGGDIYVPEDPKLKDGYMPCVLTNCRDDMTCVKEEIFGPMVS ILSFDTEAEVLERANDTTFGLAAGVFTRDIQRAHRVVAELQAGTCFINNYNVSPVELP FGGYKKSGFGRENGRVTIEYYSQLKTVCEMVDVESAF

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Applications	Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein); Antibody Production; Protein Array
Notes	Best use within three months from the date of receipt of this protein.
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
UniProt ID	P49189

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