

Recombinant Full Length Human ALDH3B1 Protein, GST-tagged

Cat. No. ALDH3B1-1407HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALDH3B1 full-length ORF (AAH13584, 1 a.a. - 468 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	468 amino acids
Description	This gene encodes a member of the aldehyde dehydrogenase protein family. Aldehyde dehydrogenases are a family of isozymes that may play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. The encoded protein is able to oxidize long-chain fatty aldehydes in vitro, and may play a role in protection from oxidative stress. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2014]
Molecular Mass	77.22 kDa
AA Sequence	MDPLGDTLRR LREAFHAGRT RPAEFRAAQL QGLGRFLQEN KQLLDALAQ DLHKSAFESE VSEVAISQGE VTLALRNLRA WMKDERVPKN LATQLDSAFI RKEPFGLVLI IAPWNYPLNL TLVPLVGALA AGNCVVLKPS EISKNVKIL AEVLPQYVDQ SCFAVVLGGP QETGQLLEHR FDYIFFTGSP RVGKIVMTAA AKHLTPVTLE LGGKNPCYVD DNCDPQTVAN RVAWFRYFNA GQTCVAPDYV LCSPQMQRERL LPALQSTITR FYGDDPQSSP NLGRIINQKQ FQRLRALLGC

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GRVAIGGQSD ESDRYIAPTV LVDVQEMEPV MQEEIFGPIL PIVNVQSLDE
AIEFINRREK PLALYAFSNS SQVVKRVLTQ TSSGGFCGND GFMHMTLASL
PFGGVGASGM GRYHGKFSFD TFSHHRACLL RSPGMEKLNA LRYPPQSPRR
LRMLLVAMEA QGCSCSTLL

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

ALDH3B1 aldehyde dehydrogenase 3 family, member B1 [Homo sapiens]

Official Symbol

ALDH3B1

Synonyms

ALDH3B1; aldehyde dehydrogenase 3 family, member B1; ALDH7; aldehyde
dehydrogenase family 3 member B1; aldehyde dehydrogenase 3B1; aldehyde
dehydrogenase 7; ALDH4; FLJ26433; FLJ34710

Gene ID

221

mRNA Refseq

NM_000694

Protein Refseq

NP_000685

MIM

600466

UniProt ID

P43353

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