

Recombinant Full Length Human ALDH3A2 Protein, GST-tagged

Cat. No. ALDH3A2-1406HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ALDH3A2 full-length ORF (AAH02430, 1 a.a. - 508 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	508 amino acids
Description	Aldehyde dehydrogenase isozymes are thought to play a major role in the detoxification of aldehydes generated by alcohol metabolism and lipid peroxidation. This gene product catalyzes the oxidation of long-chain aliphatic aldehydes to fatty acid. Mutations in the gene cause Sjogren-Larsson syndrome. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]
Molecular Mass	81.62 kDa
AA Sequence	MELEVRRVRQ AFLSGRSRPL RFRLQQLEAL RRMVQEREKD ILTAIAADLC KSEFNVYSQE VITVLGEIDF MLENLPEWVT AKPVKKNVLT MLDEAYIQPQ PLGVVLIIGA WNYPFVLTIQ PLIGAIAAGN AVIIKPSELS ENTAKILAKL LPQYLDQDLY IVINGGVEET TELLKQRFDH IFYTGNTAVG KIVMEAAAKH LTPVTLELGG KSPCYIDKDC DLDIVCRRIT WGKYMNCGQT CIAPDYILCE ASLQNQIVWK IKETVKEFYG ENIKESPDYE RIINLRHFKR ILSLLEGQKI

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AFGGETDEAT RYIAPTVLTD VDPKTKVMQE EIFGPILPIV PVKNVDEAIN
 FINEREKPLA LYVFSHNHKL IKRMIDETSS GGVGTGNDVIM HFTLNSFPFG
 GVGSSGMGAY HGKHSFDTFS HQRPCLLKSL KREGANKLRY PPNSQSKVDW
 GKFFLLKRFN KEKLGLLLLT FLGIVAAVLV KKYQAVLRRK ALLIFLVVHR
 LRWSSKQR

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

ALDH3A2 aldehyde dehydrogenase 3 family, member A2 [Homo sapiens]

Official Symbol

ALDH3A2

Synonyms

ALDH3A2; aldehyde dehydrogenase 3 family, member A2; ALDH10, SLS; fatty
 aldehyde dehydrogenase; FALDH; aldehyde dehydrogenase 10; microsomal
 aldehyde dehydrogenase; aldehyde dehydrogenase family 3 member A2; SLS;
 ALDH10; FLJ20851; DKFZp686E23276

Gene ID

224

mRNA Refseq

NM_000382

Protein Refseq

NP_000373

MIM

609523

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UniProt ID

P51648

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