

Recombinant Human ALDH3A2 Protein, GST-tagged

Cat. No. ALDH3A2-446H **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	Wheat Germ
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	MELEVRRVRQAFLSGRSRPLRFRLQQLEALRRMVQEREKDILTAIAADLCKSEFNVY SQEVITVLGEIDFMLENLPEWVTAKPVKKNVLTMLDEAYIQPQPLGVVLIIGAWNYPF VLTIQPLIGAIAAGNAVIKPSSESENTAKILAKLLPQYLDQDLYIVINGGVEETTELLKQ RFDHIFYTGNTAVGKIVMEAAAKHLTPVTLELGGKSPCYIDKDCDLDIVCRRITWGKY MNCGQTCIAPDYILCEASLQNQIVWKIKETVKEFYGENIKESPDYERIINLRHFKRILSL LEGQKIAFGGETDEATRYIAPTVLTDVDPKTKVMQEEIFGPILPIVPVKNVDEAINFINE REKPLALYVFShNHKLIKRMIDETSSGGVTGNDVIMHFTLNSFPFGGVGSSGMGAYH GKHSFDTFSHQRPCLLKSLKREGANKLRYPPNSQSKVDWGKFFLLKRFNKEKLGLL

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

LLTFLGIVA AVL VKKYQAVLRRKALLIFLVVHRLRWSSKQR

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

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

UniProt ID

P51648

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12.5% SDS-PAGE Stained with Coomassie Blue.

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