

Recombinant Human ALDH3A2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ALDH3A2-3221H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ALDH3A2 MS Standard C13 and N15-labeled recombinant protein (NP_000373) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	54.7 kDa
AA Sequence	MELEVRRVRQAFLSGRSRPLRFRLQQLEALRRMVQEREKDILTAIAADLCKSEFNVY SQEVITVLGEIDFMLENLPEWVTAKPVKKNVLTMLDEAYIQPQPLGVVLIIGAWNYPF VLTIQPLIGAIAAGNAVIKPSSELSSENTAKILAKLLPQYLDQDLYIVINGGVEETTELLKQ RFDHIFYTGNTAVGKIVMEAAKHLTPVTLELGGKSPCYIDKDCDLDIVCRRITWGKY MNCGQTCIAPDYILCEASLQNQIVWKIKETVKEFYGENIKESPDYERIINLRHFKRILSL LEGQKIAFGGETDEATRYIAPTTLTDVDPKTKVMQEEIFGPILPIVPVKNVDEAINE REKPLALYVFSHNHKLKRMIDETSSGGVTGNDVIMHFTLNSFPFGGVGSSGMGAYH GKHSFDTFSHQRPCLLKSLKREGANKLRYPPNSQSKVDWGKFFLLKRFNKEKLGLL

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	LLTFLGIVA AVL VKAEYYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	ALDH3A2 aldehyde dehydrogenase 3 family member A2 [Homo sapiens (human)]
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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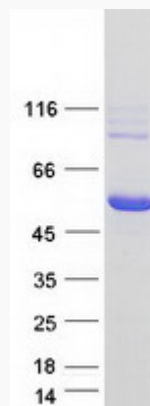
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UniProt ID

P51648

SDS-PAGE

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