

Recombinant Human Aldehyde Dehydrogenase 3 Family, Member A2, His-tagged

Cat. No. ALDH3A2-493H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The Human ALDH3A2 protein was expressed as 6-his tagged fusion proteins by E.coli and purified by Ni-sepharose. The purified ALDH3A2 was resolved in 1MPBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8) added with 300mM Imidazole and 0.7% Sarcosyl, 15% glycerol. MW=40kDa.
Species	Human
Source	E.coli
Description	Long-chain-aldehyde dehydrogenase (or fatty aldehyde dehydrogenase) is an aldehyde dehydrogenase enzyme associated with Sjögren-Larsson syndrome.
Antigen Peptide	N-term-314aa
Full Length	False
Molecular Weight	40kDa
Storage	The protein is stored in PBS at -20°C. Repeated freeze-thaw cycles should be avoided.

GENE INFORMATION

Gene Name	ALDH3A2 aldehyde dehydrogenase 3 family, member A2 [Homo sapiens]
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Official Symbol	ALDH3A2
Synonyms	ALDH3A2; aldehydedehydrogenase 3 family, member A2; SLS; FALDH; fattyaldehyd dehydrogenase; ALDH10; FLJ20851; Microsomal aldehyde dehydrogenase;DKFZp686E23276; Aldehyde dehydrogenase family 3 member A2;OTTHUMP00000065801; Aldehyde dehydrogenase 10; EC 1.2.1.3; EC 1.2.1; OTTHUMP00000065800;OTTHUMP00000065801; OTTHUMP00000065802; OTTHUMP00000065799
Gene ID	224
mRNA Refseq	NM_000382
Protein Refseq	NP_000373
MIM	609523
UniProt ID	P51648
Chromosome Location	17p11.2
Pathway	Arginine and prolinemetabolism; Ascorbate and aldarate metabolism; Fatty acid metabolism;Glycerolipid metabolism; Histidine metabolism; Lysine degradation; Propanoatemetabolism;GABA biosynthesis, eukaryotes, putrescine; Glycolysis / Gluconeogenesis; Metabolicpathways; Pentose and glucuronate interconversions; Pyruvate metabolism; Tryptophanmetabolism; beta-Alanine metabolism
Function	aldehydedehydrogenase (NAD) activity; aldehyde dehydrogenase [NAD(P)+] activity;oxidoreductase activity

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