

Recombinant Full Length Human ALDH3A2 Protein, C-Flag-tagged

Cat. No. ALDH3A2-1571HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ALDH3A2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	54.7 kDa
AA Sequence	MELEVRRVRQAFLSGRSRPLRFRLQQLEALRRMVQEREKDILTAIAADLCKSEFNVY SQEVITVLGEIDF MLENLPEWVTAKPVKKNVLTMLDEAYIQPQPLGVVLIIGAWNYPF VLTIQPLIGAIAAGNAVIKPSLS ENTAKILAKLLPQYLDQDLYIVINGGVEETTELLKQ RFDHIFYTGNTAVGKIVMEAAAKHLTPVTLELGG KSPCYIDKDCDLDIVCRRITWGKY MNCGQTCIAPDYILCEASLQNQIVWKIKETVKEFYGENIKESPDYE RIINLRHFKRILS LLEGQKIAFGGETDEATRYIAPTDLTDVDPKTKVMQEEIFGPILPIVPVKNVDEAIN FIN EREKPLALYVFSHNHKLKRMIDETSSGGVTGNDVIMHFTLNSFPFGGVGSSGMGAY

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	HGKHSFDTFH HQRPCLLKSLKREGANKLRYPPNSQSKVDWGKFFLLKRFNKEKLG LLLLTFLGIVAAVLVKAEEYTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Arginine and proline metabolism, Ascorbate and aldarate metabolism, beta-Alanine metabolism, Butanoate metabolism, Fatty acid metabolism, Glycerolipid metabolism, Glycolysis / Gluconeogenesis, Histidine metabolism, Limonene and pinene degradation, Lysine degradation, Metabolic pathways, Propanoate metabolism, Pyruvate metabolism, Tryptophan metabolism, Valine, leucine and isoleucine degradation
Full Length	Full L.
GENE INFORMATION	
Gene Name	ALDH3A2 aldehyde dehydrogenase 3 family member A2 [Homo sapiens (human)]
Official Symbol	ALDH3A2

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Synonyms	SLS; FALDH; ALDH10
Gene ID	224
mRNA Refseq	NM_000382.3
Protein Refseq	NP_000373.1
MIM	609523
UniProt ID	P51648

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