

Product datasheet for PH300648

Aldehyde dehydrogenase 10 (ALDH3A2) (NM_001031806) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	ALDH3A2 MS Standard C13 and N15-labeled recombinant protein (NP_001026976)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200648
Predicted MW:	57.7 kDa
Protein Sequence:	>RC200648 protein sequence Red=Cloning site Green=Tags(s)

MELEVRRVRQAFLSGRSRPLRFRLQQLEALRRMVQEREKIDILTAIADLCKSEFNVSQEVITVLGEIDF
MLENLPEWVTAKPVKKNVLTMLDEAYIQPQLGVVLIIGAWNYPFVLTIQPLIGAIAGNAVIKPSLS
ENTAKILAKLLPQYLDQDLYIVINGVEETTELLKQRFDHIFYTGNTAVGKIVMEAAAKHLTPVTLELGG
KSPCYIDKDCDLIVCRITWGYMNCGQTCIAPDYILCEASLQNIQVWKIKETVKEFYGENIKESPDYE
RIINLRHFKRILSLEGGQKIAFGGETDEATRYIAPTVDVDPKTKVMQEEIFGPILPIVPVKNVDEAIN
FINEREKPLALYVFSHNHKLKRMIDETSSGGVTGNDVIMHFTLNSFPFGGVSSGMGAYHGKHSFDTF
HQRPCLLKSLKREGANKLRYPNSQSKVDWGKFFLLKRFNKEKLGLLLLTFLGIVAVALVKKYQAVLRRK
ALLIFLVVHRLRWSSKQR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	50 ug/ml as determined by BCA
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	100 mM glycine, 25 mM Tris-HCl, pH 7.3. Store at -80°C. Avoid repeated freeze-thaw cycles. Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001026976</u>
RefSeq Size:	3823
RefSeq ORF:	1524
Synonyms:	ALDH10; FALDH; SLS
Locus ID:	224



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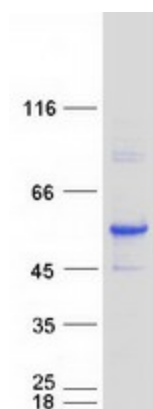
Cytogenetics: 17p11.2

Summary: 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]

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

Product images:



Coomassie blue staining of purified ALDH3A2 protein (Cat# [TP300648]). The protein was produced from HEK293T cells transfected with ALDH3A2 cDNA clone (Cat# [RC200648]) using MegaTran 2.0 (Cat# [TT210002]).