

Datasheet for ABIN7552044
ALDH3A2 Protein (AA 1-485) (His tag)



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Overview

Quantity:	1 mg
Target:	ALDH3A2
Protein Characteristics:	AA 1-485
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH3A2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat ALDH3A2 Protein expressed in mammalian cells.
Sequence:	<p>MELEVRRVRQ AFLSGRSRPL RFRLQQLEAL RRMVQEREKD ILTAIAADLC KSEFNVYSQE VITVLGEIDF MLENLPEWVT AKPVKKNVLT MLDEAYIQPQ PLGVVLIIGA WNYPFVLTIQ PLIGAIAGN AVIIKPSELS ENTAKILAKL LPQYLDQDLY IVINGGVEET TELLKQRFDH IFYTGNTAVG KIVMEAAAKH LTPVTLELGG KSPCYIDKDC DLDIVCRRIT WGKYMNCGQT CIAPDYILCE ASLQNQIVWK IKETVKEFYG ENIKESPDYE RIINLRHFKR ILSLLEGQKI AFGGETDEAT RYIAPTVLTD VDPKTKVMQE EIFGPILPIV PVKNVDEAIN FINEREKPLA LYVFSHNHKL IKRMIDETSS GGVTGNDVIM HFTLNSFPFG GVGSSGMGAY HGKHSFDTFS HQRPCLLKSL KREGANKLRY PPNSQSKVDW GKFFLLKRFN KEKLGLLLLT FLGIVAALV KAEYY Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

ALDH3A2

Alternative Name:

ALDH3A2 ([ALDH3A2 Products](#))

Background:

Aldehyde dehydrogenase family 3 member A2 (EC 1.2.1.3) (EC 1.2.1.94) (Aldehyde dehydrogenase 10) (Fatty aldehyde dehydrogenase) (Microsomal aldehyde dehydrogenase),FUNCTION: Catalyzes the oxidation of medium and long chain aliphatic aldehydes to fatty acids. Active on a variety of saturated and unsaturated aliphatic aldehydes between 6 and 24 carbons in length (PubMed:9133646, PubMed:22633490, PubMed:25047030, PubMed:18035827, PubMed:9662422, PubMed:18182499). Responsible for conversion of the sphingosine 1-phosphate (S1P) degradation product hexadecenal to hexadecenoic acid (PubMed:22633490). {ECO:0000269|PubMed:18035827, ECO:0000269|PubMed:18182499, ECO:0000269|PubMed:22633490, ECO:0000269|PubMed:25047030, ECO:0000269|PubMed:9133646, ECO:0000269|PubMed:9662422}.

Molecular Weight:

54.8 kDa

UniProt:

[P51648](#)

Application Details

Application Notes: In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months
