

Datasheet for ABIN7552140

## ALDH1L2 Protein (AA 1-923) (His tag)



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### Overview

Quantity:	1 mg
Target:	ALDH1L2
Protein Characteristics:	AA 1-923
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH1L2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

### Product Details

Purpose:	Custom-made recombinat ALDH1L2 Protein expressed in mammalian cells.
Sequence:	<p>MLRRGSQALR RFSTGRVYFK NKLKLALIGQ SLFGQEVYSH LRKEGHRVVG VFTVPDKDGK</p> <p>ADPLALAAEK DGTPVFKLPK WRVKGKTIKE VAEAYRSVGA ELNVLPFCTQ FIPMDIIDSP</p> <p>KHGSIIYHPS ILPRHRGASA INWTLIMGDK KAGFSVFWAD DGLDTGPILL QRSCDVEPND</p> <p>TVDALYNRFL FPEGIKAMVE AVQLIADGKA PRIPQPEEGA TYEGIQKKEN AEISWDQSAE</p> <p>VLHNWIRGHD KVPGAWTEIN GQMVTfygst LLNSSVPPGE PLEIKGAKKP GLVTKNGLVL</p> <p>FGNDGKALT V RNLQFEDGKM IPASQYFSTG ETSVVELTAE EVKVAETIKV IWAGILSNVP</p> <p>IIEDSTDFFK SGASSMDVAR LVEEIRQKCG GLQLQNEDVY MATKFEGFIQ KVRKLRGED</p> <p>QEVELVDYI SKEVNEIMVK MPYQCFINGQ FTDADDGKTY DTINPTDGST ICKVSYASLA</p> <p>DVDKAVAAAK DAFENGWGR MNARERGRML YRLADLLEEN QEELATIEAL DSGAVYTLAL</p> <p>KTHIGMSVQT FRYFAGWCDK IQGSTIPINQ ARPNRNLFTT KKEPLGVCAI IIPWNYPLMM</p> <p>LAWKSAACLA AGNTLVLPKA QVTPLTALKF AELSVKAGFP KGVINIIPGS GGIAGQRLSE</p>

HPDIRKLGFT GSTPIGKQIM KSCAVSNLKK VSLELGKSP LIIFNDCELD KAVRMGMGAV  
FFNKGENCIA AGRLFVEESI HDEFVTRVVE EIKKMKIGDP LDRSTDHGPQ NHKAHLEKLL  
QYCETGVKEG ATLVYGGRRVQ QRPGFFMEPT VFTDVEDYMY LAKEESFGPI MVISKFQNGD  
IDGVLQRANS TEYGLASGVF TRDINKAMYV SEKLEAGTVF INTYNKTDVA APFGGVKQSG  
FGKDLGEEAL NEYLKTKTVT LEY **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.**

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:

ALDH1L2

Alternative Name:

ALDH1L2 ([ALDH1L2 Products](#))

Background:

Mitochondrial 10-formyltetrahydrofolate dehydrogenase (Mitochondrial 10-FTHFDH) (mtFDH) (EC 1.5.1.6) (Aldehyde dehydrogenase family 1 member L2),FUNCTION: Mitochondrial 10-formyltetrahydrofolate dehydrogenase that catalyzes the NADP(+)-dependent conversion of 10-formyltetrahydrofolate to tetrahydrofolate and carbon dioxide.  
{ECO:0000269|PubMed:21238436}.

Molecular Weight:

101.7 kDa

## Target Details

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UniProt: [Q3SY69](#)

## Application Details

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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

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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