

Datasheet for ABIN7559647

ALDH1L1 Protein (AA 1-902) (His tag)



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Overview

Quantity:	1 mg
Target:	ALDH1L1
Protein Characteristics:	AA 1-902
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH1L1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Aldh1l1 Protein expressed in mammalian cells.
Sequence:	<p>MKIAVIGQSL FGQEVYCQLR KEGHEVVGVF TIPDKDGKAD PLGLEAEKDG VPVFKFPRWR</p> <p>ARGQALPEVV AKYQALGAEL NVLPFCSQFI PMEVINAPRH GSIIYHPSLL PRHRGASAIN</p> <p>WTLIHGDKKG GFTIFWADDG LDTGDLQLK ECDVLPDDTV STLYNRFLFP EGIKGMVQAV</p> <p>RLIAEGTAPR RPQPEEGATY EGIQKKETAM INWDQPAEI HNWRGNDKV PGAWTEACGQ</p> <p>KLTFNSTLN TSGLVAQGEA LPIGAHRPG LVTKAGLILF GNDDRMLLVK NIQLEDGKMM</p> <p>PASQFFKGSA SSALELTEEE LATAEAVRSS WMRIPLNVE VEDSTDFFKS GAASVDVRL</p> <p>VEEVKELCDG LELENEDVYM ATTFGDFIQL LVRKLRGEDG ESECVINYVE KAVKKLTLMQ</p> <p>PYQLFIGGEF VDAEGAKTYS TINPTDGSVI CQVSLAQVSD VDKAVAAAKE AFENGLWGKI</p> <p>NARDRGRLLY RLADLMEQHQ EELATIEALD AGAVYTLALK THVGMSIQTF RYFAGWCDKI</p> <p>QGATIPINQA RPNRNLTTLTK KEPVGVCIV IPWNYPLMML SWKTAACLA GNTVVIKPAQ</p> <p>VTPLTALKFA ELTLKAGIPK GVVNLPVSG SLVGQRLSDH PDVRKIGFTG STEVGKHIMK</p>

SCALSNVKKV SLELGGKSPL IIFADCDLNK AVQMGMSVF FNKGECIAA GRLFVEDSIH
DQFVQKVVEE VGKMKIGNPL DRDTNHGPQN HEAHLRKLVE YCQRGVKEGA TLVCGGNQVP
RPGFFFQPTV FTDVEDHMYI AKEESFGPIM IISRFADGDV DAVLSRANAT EFGLASGVFT
RDINKALYVS DKLQAGTVFV NTYNKTDVAA PFGGFKQSGF GKDLGEAALN EYLRIKTVTF EY

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:

ALDH1L1

Alternative Name:

Aldh1l1 ([ALDH1L1 Products](#))

Background:

Cytosolic 10-formyltetrahydrofolate dehydrogenase (10-FTHFDH) (FDH) (EC 1.5.1.6) (Aldehyde dehydrogenase family 1 member L1),FUNCTION: Cytosolic 10-formyltetrahydrofolate dehydrogenase that catalyzes the NADP(+)-dependent conversion of 10-formyltetrahydrofolate to tetrahydrofolate and carbon dioxide (PubMed:31624291). May also have an NADP(+)-dependent aldehyde dehydrogenase activity towards formaldehyde, acetaldehyde, propionaldehyde, and benzaldehyde (By similarity). {ECO:0000250|UniProtKB:P28037,

Target Details

ECO:0000269|PubMed:31624291}.

Molecular Weight: 98.7 kDa

UniProt: [Q8R0Y6](#)

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