

Datasheet for ABIN7551998

## ALDH8A1 Protein (AA 1-487) (His tag)



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### Overview

Quantity:	1 mg
Target:	ALDH8A1
Protein Characteristics:	AA 1-487
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH8A1 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant ALDH8A1 Protein expressed in mammalian cells.
Sequence:	<p>MAGTNALLML ENFIDGKFLP CSSYIDSYDP STGEVYCRVP NSGKDEIEAA VKAAREAFPS</p> <p>WSSRSPQERS RVLNQVADLL EQSLEEFQAQ ESKDQGKTLA LARTMDIPRS VQNFRFFASS</p> <p>SLHHTSECTQ MDHLGCMHYT VRAPVGVAGL ISPWNLPPLYL LTWKIAPAMA AGNTVIAPKS</p> <p>ELTSVTAWML CKLLDKAGVP PGVVNIVFGT GPRVGEALVS HPEVPLISFT GSQPTAERIT</p> <p>QLSAPHCKKL SLELGKKNPA IIFEDANLDE CIPATVRSSF ANQGEICLCT SRIFVQKSIY</p> <p>SEFLKRFVEA TRKWVGIPS DPLVSIGALI SKAHLEKVRV YVKRALAEGA QIWCGEDEVK</p> <p>LSLPARNQAG YFMLPTVITD IKDESCCMTE EIFGPVTCVV PFDSEEEVIE RANNVKYGLA</p> <p>ATVWSSNVGR VHRVAKKLQS GLVWTNCWLI RELNLPFGGM KSSGIGREGA KDSYDFFTEI</p> <p>KTITVKH <b>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.</b></p>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

## Product Details

isoform, please contact us regarding an individual offer.

### 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

### Grade:

custom-made

## Target Details

### Target:

ALDH8A1

### Alternative Name:

ALDH8A1 ([ALDH8A1 Products](#))

### Background:

2-aminomuconic semialdehyde dehydrogenase (EC 1.2.1.32) (Aldehyde dehydrogenase 12) (Aldehyde dehydrogenase family 8 member A1),FUNCTION: Catalyzes the NAD-dependent oxidation of 2-aminomuconic semialdehyde of the kynurenine metabolic pathway in L-tryptophan degradation. {ECO:0000269|PubMed:29703752}.

### Molecular Weight:

53.4 kDa

### UniProt:

[Q9H2A2](#)

## Application Details

### Application Notes:

We expect the protein to work for functional studies. 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