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Datasheet for ABIN1622876

## ALDH9A1 Protein (AA 2-494) (His tag)

### Overview

Quantity:	1 mg
Target:	ALDH9A1
Protein Characteristics:	AA 2-494
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH9A1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>STGTFVVSQ PLNYRGGARV EPVDASGTEK AFEPASGRVI ATFTCSGEKE VNLAVQDAKA</p> <p>AFKIWSQKSG MERCRILLEA ARIIRERRDE IATMETINNG KSIFEARWDI DTSWQCLEY</p> <p>AGLAGSMAGE HIQLPGGSFG YTRREPLGVC VGIGAWNYPF QIACWKSAPA LACGNAMVFK</p> <p>PSPFTPVSVL LLAEIYTEAG VPPGLFNVVQ GGAATGQFLC QHRDVAKVSF TGSVPTGSKI</p> <p>MEMSAKGIKP VTLELGKSP LIIFSDCDMK NAVKGALMAN FLTQGEVCCN GTRVFVQKEI</p> <p>LDQFTEEVVK QTQRIKIGDP LLEDTRMGPL INRPHLERVL GFVKVAKEQG AKVLCGGDVF</p> <p>VPEDPKLKDGY YMRPCVLTN CRDDMTVCVKE EIFGPVMSIL SFDTEAEVLE RANDTTFGLA</p> <p>AGVFTRDIQR AHRVVAELQA GMCFINNYNV SPVELPFGGY KKSGFGRENG RVTIEYYSQL</p> <p>KTVCVEMGDV ESAF</p>
Specificity:	Bos taurus (Bovine)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian cells or by baculovirus infection. Be aware about differences in price and lead time.

## Product Details

Purity: > 90 %

## Target Details

Target: ALDH9A1

Alternative Name: 4-trimethylaminobutyraldehyde dehydrogenase (ALDH9A1) ([ALDH9A1 Products](#))

Background: Recommended name: 4-trimethylaminobutyraldehyde dehydrogenase.  
Short name= TMABADH.  
EC= 1.2.1.47.  
Alternative name(s): Aldehyde dehydrogenase family 9 member A1.  
EC= 1.2.1.3

UniProt: [Q2KJH9](#)

## Application Details

Comment: The yeast protein expression system is the most economical and efficient eukaryotic system for secretion and intracellular expression. A protein expressed by the mammalian cell system is of very high-quality and close to the natural protein. But the low expression level, the high cost of medium and the culture conditions restrict the promotion of mammalian cell expression systems. The yeast protein expression system serve as a eukaryotic system integrate the advantages of the mammalian cell expression system. A protein expressed by yeast system could be modiflicated such as glycosylation, acylation, phosphorylation and so on to ensure the native protein conformation. It can be used to produce protein material with high added value that is very close to the natural protein. Our proteins produced by yeast expression system has been used as raw materials for downstream preparation of monoclonal antibodies.

Restrictions: For Research Use only

## Handling

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week

Storage: -20 °C

## Handling

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Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.