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Datasheet for ABIN1651120 ALDH9A1 Protein (AA 2-494) (His tag)

Overview

Quantity:	1 mg
Target:	ALDH9A1
Protein Characteristics:	AA 2-494
Origin:	Rat
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 AFEPATGREI ATFKCSGEKE VNLAVENAKA</p> <p>AFKIWSKKSG LERCQVLLEA ARIIKERRDE IAIMETINNG KSIFEARLDV DTSWQCLEY</p> <p>AGLAASMAGE HIQLPGGSFG YTRREPLGVC LGIGAWNYPF QIACWKSAPA LACGNAMIFK</p> <p>PSPFTPVSAL LLAEIYTKAG APNGLFNVVQ GGAATGQFLC QHRDVAKVVSF TGSVPTGMKI</p> <p>MEMAAKGIKP ITLELGGKSP LIIFSDCNMK NAVKGALLAN FLTQGGVCCN GTRVFVQKEI</p> <p>ADAFTKEVVR QTQRIKIGDP LLEDTRMGPL INAPHLERVL GFVRSKEQEG ATVLGGGEPY</p> <p>APEDPKLKHG YYMTPCILTN CTDDMTVCVE EIFGPVMSIL TFETAEVLE RANDTTFGLA</p> <p>AGVFTRDIQR AHRVAAELQA GTCYINNVV SPVELPFGGY KKSFGGRENG RVTIEYYSQL</p> <p>KTVCVEMGDV ESAF</p>
Specificity:	Rattus norvegicus (Rat)
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: [Q9JLJ3](#)

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

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