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## Datasheet for ABIN1476785 **ALDH1A1 Protein (AA 2-501) (His tag)**

### Overview

Quantity:	1 mg
Target:	ALDH1A1
Protein Characteristics:	AA 2-501
Origin:	Sheep
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH1A1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	<p>SSSAMPDVP APLTNLQFKY TKIFINNEWH SSVSGKKFPV FNPATEEKLK EVEEGDKEDV</p> <p>DKAVKAARQA FQIGSPWRTM DASERGRLLN KLADLIERDR LLLATMEAMN GGLFNSAYL</p> <p>MDLGGCIKTL RYCAGWADKI QGRTIPMDGN FFTYTRSEPV GVCQIIPWN FLLMFLWKI</p> <p>GPALSCGNTV VVKPAEQTPL TALHMGSLIK EAGFPPGVVN IVPGYGPTAG AAISSHMDVD</p> <p>KVAFTGSTEV GKLIKEAAGK SNLKRVSLEL GKGSPCIVFA DADLDNAVEF AHQGVFYHQG</p> <p>QCCIAASRLF VEESIYDEFV RRSVERAKKY VLGNPLTPGV SQGPQIDKEQ YEKILDIES</p> <p>GKKEGAKLEC GGGPWGNKGY FIQPTVFSDV TDDMRIAKEE IFGPVQQIMK FKSLDDVIKR</p> <p>ANNTFYGLSA GIFTNDIDKA ITVSSALQSG TVWVNCYSV SAQCPFGGFK MSGNGRELGE</p> <p>YGFHEYTEVK TVTIKISQKN S</p>
Specificity:	Ovis aries (Sheep)
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

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Purity: > 90 %

## Target Details

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Target: ALDH1A1

Alternative Name: Retinal dehydrogenase 1 (ALDH1A1) ([ALDH1A1 Products](#))

Background: Recommended name: Retinal dehydrogenase 1.  
Short name= RALDH 1.  
Short name= RalDH1.  
EC= 1.2.1.36.  
Alternative name(s): ALDH-E1 ALHDII Aldehyde dehydrogenase family 1 member A1 Aldehyde dehydrogenase, cytosolic

UniProt: [P51977](#)

Pathways: [Dopaminergic Neurogenesis](#)

## Application Details

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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

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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

## Handling

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one week

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Storage: -20 °C

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