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Datasheet for ABIN1473948  
**ALDH3A1 Protein (AA 2-453) (His tag)**

### Overview

Quantity:	1 mg
Target:	ALDH3A1
Protein Characteristics:	AA 2-453
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH3A1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	SSISDTVKR AREAFNSGKT RSLQFRIQQL EALQRMINEN LKSISGALAS DLGKNEWTSY YEEVAHVLEE LDTTIKELPD WADEPVAKT RQTQQDDLYI HSEPLGVVLV IGAWNYPFNL TIQPMVGAVA AGNAVILKPS EVSGHMADLL ATLIPQYMDQ NLYLVVKGGV PETTELLKER FDHIMYTGST AVGKIVMAAA AKHLTPVTLE LGGKSPCYVD KDCDLDVACR RIAWGKFMNS GQTCVAPDYI LCDPSIQNQI VEKLLKSLKD FYGEDAKQSR DYGRINDRH FQRVKGLIDN QKVAHGGTWD QSSRYIAPTI LVDVDPQSPV MQEEIFGPVM PIVCVRSL EE AIQFINQREK PLALYVFSNN EKVIKKMIAE TSSGGVTAND VIVHITVPTL PFGGVGNSGM GAYHGKKSFE TFSHRRSCLV KLLNEEAHK ARYPPSPAKM PRH
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

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Purity: > 90 %

## Target Details

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Target: ALDH3A1

Alternative Name: Aldehyde dehydrogenase, dimeric NADP-preferring (Aldh3a1) ([ALDH3A1 Products](#))

Background: Recommended name: Aldehyde dehydrogenase, dimeric NADP-preferring.  
EC= 1.2.1.5.  
Alternative name(s): Aldehyde dehydrogenase family 3 member A1 HTC-ALDH Tumor-associated aldehyde dehydrogenase

UniProt: [P11883](#)

## 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 modified 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 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.