

Datasheet for ABIN7590327

ALDH1A2 Protein (AA 1-518) (His tag)



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Overview

Quantity:	100 µg
Target:	ALDH1A2
Protein Characteristics:	AA 1-518
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH1A2 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MTSSEIAMPG EVKADPAALM ASLQLLPSPT PNLEIKYTKI FINNEWQNSE SGRVFPVCNP ATGEQVCEVQ EADKVDIDKA VQAARLAFSL GSVWRRMDAS ERGRLLDKLA DLVERDRATL ATMESLNGGK PFLQAFYIDL QGVIKTLRYY AGWADKIHGM TIPVDGDYFT FTRHEPIGVC GQIIPWNFPL LMFTWKIAPA LCCGNTVVIK PAEQTPLSAL YMGALIKEAG FPPGVVNILP GYGPTAGAAI ASHIGIDKIA FTGSTEVGKL IQEAAGRSNL KRVTLLELGGK SPNIIFADAD LDYAVEQAHQ GVFFNQGGCC TAGSRIFVEE SIYEFEVKRS VERAKRRIVG SPFDPTTEQG PQIDKKQYNK ILELIQSGVA EGAKLECGGK GLGRKGFFIE PTVFSNVTDD MRIAKEEIFG PVQEILRFKT MDEVIERANN SDFGLVAAVF TNDINKALMV SSAMQAGTVW INCYNALNAQ SPFGGFKMSG NGREMGEFGL REYSEVKTVT VKIPQKNS
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: ALDH1A2

Alternative Name: Retinal dehydrogenase 2 (Aldh1a2) ([ALDH1A2 Products](#))

Background: Recommended name: Retinal dehydrogenase 2.
Short name= RALDH 2.
Short name= RalDH2.
EC= 1.2.1.36.
Alternative name(s): Aldehyde dehydrogenase family 1 member A2 Retinaldehyde-specific dehydrogenase type 2.
Short name= RALDH(II)

UniProt: [Q63639](#)

Pathways: [Retinoic Acid Receptor Signaling Pathway](#)

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 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

Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

Handling

Handling Advice:	Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to one week
Storage:	-20 °C
Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.