Datasheet for ABIN7583425

ALDH5A1 Protein (AA 36-523) (His tag)

Go to Product page

Overview

Quantity:	100 µg
Target:	ALDH5A1
Protein Characteristics:	AA 36-523
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ALDH5A1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	VGGPA DLHADLLRGD SFVGGRWLPT PATFPVYDPA SGAKLGTVAD CGVPEARAAV RAAYDAFSSW KEISVKERSS LLRKWYDLMI QNKDELAKII TAESGKPLKE AQGEILYSAF FLEWFSEEAR RVYGDIIYTS AKDKRGLVLK QPVGVASIIT PWNFPSAMIT RKVGAALAAG CTVVVKPAED TPYSALALAQ LANQAGIPPG VYNVIPCSRT KAKEVGEVLC TDPLVSKISF TGSTATGKIL LHHAANSVKR VSMELGGLAP FIVFDSANVD QAVAGAMASK FRNAGQTCVC SNRFLVQRGI HDSFVTKFAE AMKKSLRVGN GFEEGTTQGP LINEKAVEKV EKHVNDAVAK GATVVTGGKR HQSGGNFFEP TLLSNVTRDM LCITEETFGP VAPVIKFDKE EEAVAIANAA DVGLAGYFYS QDPAQIWRVA EQLEVGMVGV NEGLISSVEC PFGGVKQSGL GREGSKYGID EYLEVKYVCY GGL
Specificity:	Rattus norvegicus (Rat)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien cells or by baculovirus infection. Be aware about differences in price and lead time.

Product Details

Purity:	> 90 %

Target Details

Target:	ALDH5A1
Alternative Name:	Succinate-semialdehyde dehydrogenase, mitochondrial (Aldh5a1) (ALDH5A1 Products)
Background:	Recommended name: Succinate-semialdehyde dehydrogenase, mitochondrial. EC= 1.2.1.24. Alternative name(s): Aldehyde dehydrogenase family 5 member A1 NAD(+)-dependent succinic semialdehyde dehydrogenase
UniProt:	P51650
Pathways:	Monocarboxylic Acid Catabolic Process

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 modificated 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

Handling

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