

Datasheet for ABIN7591456  
**IDH1 Protein (AA 2-414) (His tag)**



[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	IDH1
Protein Characteristics:	AA 2-414
Origin:	Cow
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This IDH1 protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	<p>SQKIQGGSV VEMQGDENR IIWELIKEKL IFPYVELDLH SYDLGIENRD ATNDQVTKDA</p> <p>AEAIKKYNVG VKCATITPDE KRVEEFKLLQ MWKSPNGTIR NILGGTVFRE AIICKNIPRL</p> <p>VSGWVKPIII GRHAYGDQYR ATDFVVPGP KVEISYTPSD GSPKTVYLVH NFTESGGVAM</p> <p>GMYNQDKSIE DFAHSSFQMA LSKNWPLYLS TKNTILKKYD GRFKDIFQEI YDKQYKSEFE</p> <p>AQNIWYEHRL IDDMVAQAMK SEGGEIWKAC NYDGDVQSDS VAQGYGSLGM MTSVLVCPDG</p> <p>KTVEAEAAHG TVTRHYRMYQ KGQETLTNPI ASIFAWTRGL AHRAKLDNNK ELSFFAKALE</p> <p>EVCITIEAG FMTKDLAACI KGLPNVQRSD YLNTFEFMDK LGENLQLKLA QAKL</p>
Specificity:	Bos taurus (Bovine)
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.
Purity:	> 90 %

## Target Details

Target:	IDH1
Alternative Name:	Isocitrate dehydrogenase [NADP] cytoplasmic (IDH1) ( <a href="#">IDH1 Products</a> )
Background:	<p>Recommended name: Isocitrate dehydrogenase [NADP] cytoplasmic.</p> <p>Short name= IDH.</p> <p>EC= 1.1.1.42.</p> <p>Alternative name(s): Cytosolic NADP-isocitrate dehydrogenase IDP NADP(+)-specific ICDH</p> <p>Oxalosuccinate decarboxylase</p>
UniProt:	<a href="#">Q9XSG3</a>
Pathways:	<a href="#">Warburg Effect</a>

## Application Details

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