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Datasheet for ABIN1637340  
**IOLA1 Protein (AA 1-486) (His tag)**

### Overview

Quantity:	1 mg
Target:	IOLA1
Protein Characteristics:	AA 1-486
Origin:	Oceanobacillus iheyensis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This IOLA1 protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MISSETKHMQ NYINGKWVDA KSGKQEVIPN PATGETIATV TISDVEDVDM AVAAAKEVFP EWS DIPV PNR TRYLLDYWKL LQDNKEELAK IITLENGKSL RDAQGEVQRG IEVVELATST PSMMM GDALP SIAKGIDGSI WRYPLGVVAG ITPFNFPMMV PLWMFPLAIA CGNTFVLKTS ERTPILAERL VELFYEAGFP KGVNLNVHGG KEVVNRFLTH PDIEAVSFVG SEPVAKHVYQ TGTAHGKRVQ ALAGAKNHAV VMPDCDVEKT IQGVLGAAFG SSGERC MACS VVAVVDDIAD EFLEKLVKET KCLRVDGMD DSNFIGPVIR ESHKERVLSY IDSGVDEGAH LLVDGRKIKE ETPDGYYVGA TIFDHVTQDM KIWQDEIFAP VLSVVRVSDL EEGIRVTNQS KFANGAVIYT NSGKSAQQFR NRIDAGMIGV NVNVPAPMAF FSFAGNKASF YDGLGTNGKD GVQFYTRKKV VTERWF
Specificity:	Oceanobacillus iheyensis (strain DSM 14371 / JCM 11309 / KCTC 3954 / HTE831)
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: IOLA1

Alternative Name: Methylmalonate semialdehyde dehydrogenase [acylating] 1 (iola1) ([IOLA1 Products](#))

Background: Recommended name: Methylmalonate semialdehyde dehydrogenase [acylating] 1.  
Short name= MMSA dehydrogenase 1.  
Short name= MMSDH 1.  
Short name= MSDH 1.  
EC= 1.2.1.27.  
Alternative name(s): Malonate semialdehyde dehydrogenase [acetylating] 1.  
Short name= MSA dehydrogenase 1.  
EC= 1.2.1.18

UniProt: [Q8ES27](#)

## 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

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Handling Advice: Repeated freezing and thawing is not recommended. Store working aliquots at 4 °C for up to 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.