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Datasheet for ABIN1670261
IOLA1 Protein (AA 1-486) (His tag)

Overview

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

Product Details

Sequence:	MITTEIKRVK NHINGEWVES TGTEVEAVPN PATGKIIAYV PLSPKEDVEK AVEAAKAAYK TWSKVPVPCR SRQLYKYLQL LQENKEELAK IITLENGKTL TDATGEVQRG IEAVELATSA PNLMMGQALP NIASGIDGSI WRYPGVVAG ITPFNFPMMI PLWMFPLAIA CGNTFVLKTS ERTPLLAERL VELFYEAGFP KGVNLNVQGG KDVVNSILEN KDIQAVSFVG SEPVARYVYE TGTKNGKRVQ ALAGAKNHAV VMPDCNLEKT VQGVIGSAFA SSGERCMACS VVAVVDEIAD EFIDVLAET KKLKVGDFN EDNYVGPLIR ESHKERVLYG INSGVADGAT LLVDGRKINE EVGEGYFVGA TIFDGVNQEM KIWQDEIFAP VLSIVRVKDL EEGIKLTNQS KFANGAVIYT SNGKHAQTFR DNIDAGMIGV NVNVPAPMAF FAFAGNKASF FGDLTNGTD GVQFYTRKKV VTERWF
Specificity:	Bacillus weihenstephanensis (strain KBAB4)
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: 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: [A9VF06](#)

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.