Datasheet for ABIN1511021

Acetoin Reductase (BUTA) (AA 1-258) protein (His tag)

Go to Product page

Overview

Quantity:	1 mg
Target:	Acetoin Reductase (BUTA)
Protein Characteristics:	AA 1-258
Origin:	Staphylococcus aureus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

Product Details

Sequence:	MTNNKVALVT GGAQGIGFKI AERLVEDGFK VAVVDFNEEG AKAAALKLSS DGTKAIAIKA DVSNRDDVFN AVRQTAAQFG DFHVMVNNAG LGPTTPIDTI TEEQFKTVYG VNVAGVLWGI QAAHEQFKKF NHGGKIINAT SQAGVEGNPG LSLYCSTKFA VRGLTQVAAQ DLASEGITVN AFAPGIVQTP MMESIAVATA EEAGKPEAWG WEQFTSQIAL GRVSQPEDVS NVVSFLAGKD SDYITGQTII VDGGMRFR
Specificity:	Staphylococcus aureus (strain N315)
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.
Purity:	> 90 %

Target Details

Target:	Acetoin Reductase (BUTA)
Alternative Name:	Diacetyl reductase [(S)-acetoin forming] (BUTA Products)
Background:	Recommended name: Diacetyl reductase [(S)-acetoin forming]. EC= 1.1.1.304. Alternative name(s): Acetoin(diacetyl) reductase. Short name= AR Meso-2,3-butanediol dehydrogenase
UniProt:	P99120

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