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Datasheet for ABIN1677993

AROC1 Protein (AA 1-390) (His tag)

Overview

Quantity:	1 mg
Target:	AROC1
Protein Characteristics:	AA 1-390
Origin:	Bacillus anthracis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This AROC1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MRYITAGESH GPQLTTIIEG VPAGLPLVAD DINEELARRQ KGYGRGRRMQ IETDQVQIVS GVRHGETLGS PIALVVENRD FAHWTKIMGA EPLTEQEEKE MKRKVTKPRP GHADLNGAIK YGHRDMRNVL ERSSARETTV RVAAGAVAKK VLAELGITVA GHVIEIGGVE AKETTYRSIE ELKSITEASP VRCLDEEAGN QMIKAIDDAK SNGDSIGGIV EVIVEGMPIG VGSYVHYDRK LDAKLA AIM SINA FKGVEI GIGFEAAHRP GSEVHDEILW NEEHGYTRRT NNAGGLEGGM TTGMPIVVRG VMKPIPTLYK PLQSV DIDTK EPFTAS IERS DSCAVPAASV VAEAVVAVEL ATALIEQFGL DRMDLIRENI EKHNEYARGF
Specificity:	Bacillus anthracis
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:	AROC1
Alternative Name:	Chorismate synthase 1 (aroC1) (AROC1 Products)
Background:	Recommended name: Chorismate synthase 1. EC= 4.2.3.5. Alternative name(s): 5-enolpyruvylshikimate-3-phosphate phospholyase 1
UniProt:	Q81SV7

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 modiflicated 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.