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Datasheet for ABIN1666702
PCBC Protein (AA 1-331) (His tag)

Overview

Quantity:	1 mg
Target:	PCBC
Protein Characteristics:	AA 1-331
Origin:	Penicillium sp.
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCBC protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MASTPKANVP KIDVSPFLGD NMEEKMKVAR AIDAASRDTG FFYAVNHGVD VKRLSNKTR FHFSITDEEK WDLAIRAYNK EHQDQIRAGY YLSIPEKKAV ESFCYLNPNF KPDHPLIQSK TPTHEVNVWP DEKKHPGFRE FAEQYYWDVF GLSSALLRGY ALALGKEEDF FSRHFKKEDA LSSVVLIRYP YLNPIPPAAI KTAEDGTKLS FEWHEDVSLI TVLYQSDVAN LQVEMPQGYL DIEADDNAYL VNCGSYMAHI TNNYYPAPIH RVKQWNEERQ SLPFFVNLGF NDTVQPWDPS KEDGKTDQRP ISYGDYLNQNG LVSLINKNGQ T
Specificity:	Penicillium chrysogenum (Penicillium notatum)
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:	PCBC
Abstract:	PCBC Products
Background:	Recommended name: Isopenicillin N synthase. Short name= IPNS. EC= 1.21.3.1
UniProt:	P08703

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 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.</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.