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Datasheet for ABIN1668794

## 2-C-Methyl-D-Erythritol 2,4-Cyclodiphosphate Synthase (ISPF) (AA 1-157) protein (His tag)

### Overview

Quantity:	1 mg
Target:	2-C-Methyl-D-Erythritol 2,4-Cyclodiphosphate Synthase (ISPF)
Protein Characteristics:	AA 1-157
Origin:	Caldicellulosiruptor saccharolyticus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

### Product Details

Sequence:	MFKVGFGFDV HRFSEDRKLI LGGVEIPFEK GLLGHSDADV LIHAIIDAIL GAMGENDIGR LFPDMDKMKYK DISSIVLLKE VSKLLKNKGM SIINIDTTIV AQPCKISPYT DEMKTNIAKA LNIKTQVNI KGKTTEGLGF EGREEGVSAY AIVLLHE
Specificity:	Caldicellulosiruptor saccharolyticus (strain ATCC 43494 / DSM 8903)
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:	2-C-Methyl-D-Erythritol 2,4-Cyclodiphosphate Synthase (ISPF)
Abstract:	<a href="#">ISPF Products</a>

## Target Details

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Background: Recommended name: 2-C-methyl-D-erythritol 2,4-cyclodiphosphate synthase.  
Short name= M.  
ECDP-synthase.  
Short name= M.  
ECPS.  
EC= 4.6.1.12

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UniProt: [A4XJU4](#)

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Pathways: [Proton Transport](#)

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## 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.

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Restrictions: For Research Use only

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## Handling

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Format: Lyophilized

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Concentration: 0.2-2 mg/mL

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Buffer: Tris-based buffer, 50 % glycerol

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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.

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