

[Go to Product page](#)

Datasheet for ABIN1668779

**ISPD Protein (AA 1-224) (His tag)**

## Overview

Quantity:	1 mg
Target:	ISPD
Protein Characteristics:	AA 1-224
Origin:	Caldicellulosiruptor saccharolyticus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ISPD protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	MRTFALVCAA GSGKRFGGST PKQFLFLEDK MVIEYSLCVF ENSPFIDGVV ILIPNGYKNI GDVLKEYKK VLFWDYGEDE RAKTVKKGLE LIKGMCDFVA IHDAVRPFID LELIEKLILE VKSSFAVAPA VSAKDTVKYV VDGYYQNTIP RENVYLQTP QVFKFDLIYG AYEKFEDTCF TDDLQYVEAL GVKPKIVENS SLNFKITTKE DMIFAKAIVE QFLK
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:	ISPD
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## Target Details

Abstract:	<a href="#">ISPD Products</a>
Background:	<p>Recommended name: 2-C-methyl-D-erythritol 4-phosphate cytidyltransferase.</p> <p>EC= 2.7.7.60.</p> <p>Alternative name(s): 4-diphosphocytidyl-2C-methyl-D-erythritol synthase MEP cytidyltransferase.</p> <p>Short name= MCT</p>
UniProt:	<a href="#">A4XLJ3</a>

## 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.