



[Go to Product page](#)

Datasheet for ABIN1676852  
**ISPD Protein (AA 1-227) (His tag)**

### Overview

Quantity:	1 mg
Target:	ISPD
Protein Characteristics:	AA 1-227
Origin:	Bordetella parapertussis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ISPD protein is labelled with His tag.
Application:	ELISA

### Product Details

Sequence:	MSESLIAIVP AAGIGARASL PGEAAVPKQY RPLAGQPMLR HAVRALLADP RIVQVRVAVS AGDGWVEQAL AGLPRTVWRP CGGPNRVDTV AAALADSGAD ADDWILVHDA ARGPLPAAAL ARLIDACLDD AVGGLLALPV ADTVKAGRQR VSRTVDRDGL WLAQTPQMFR AGLLRDALAR ARAAGLAVTD EASAVEAAGH APRLVAGALR NFKVTPDDF ELMEKWL
Specificity:	Bordetella parapertussis
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

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Abstract: [ISPD Products](#)

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Background: Recommended name: 2-C-methyl-D-erythritol 4-phosphate cytidyltransferase.  
EC= 2.7.7.60.  
Alternative name(s): 4-diphosphocytidyl-2C-methyl-D-erythritol synthase MEP  
cytidyltransferase.  
Short name= MCT

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UniProt: [Q7W5C9](#)

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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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