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Datasheet for ABIN1672260

## 1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR) (AA 1-397) protein (His tag)

### Overview

Quantity:	1 mg
Target:	1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR)
Protein Characteristics:	AA 1-397
Origin:	Agrobacterium vitis
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

### Product Details

Sequence:	MNTATSQPRR LTILGSTGSI GTNTLDVIRQ MGGRDRFDIM ALTGHGIVAL LAEQALVTGA RLAVTSDENQ YIALKDLLSG SGIDVAAGSS GLQEAAACLEA DWVMAAIVGT AGLQPTLTAA ARGADIALAN KECLVSAGEL FIETVRKGGG KIIPVDSEHS AIFQCLDENH RDTLERIVLT ASGGPFRTFT RQQMADVSVQ TARAHPNWSM GLKVSIGSAS MFNKALEMIE AKHLFDLTPD QIEVIVHPQS IIHSMVGYSY GSVLAQLGVP DMRTAIGYAL SYPKRAALDV DRLDFTKLAR LDFEAPDLDR FPAIRLARTA LERGGLOGAV LNAAEECAFE AFVEEKIGFL AMADVVEDVM DHLSGLAPAT VIADVFAADA QARRRAQEVV LNQGRTR
Specificity:	Agrobacterium vitis (strain S4 / ATCC BAA-846) (Rhizobium vitis (strain S4))
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

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Target:	1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR)
Abstract:	<a href="#">DXR Products</a>
Background:	Recommended name: 1-deoxy-D-xylulose 5-phosphate reductoisomerase. Short name= DXP reductoisomerase. EC= 1.1.1.267. Alternative name(s): 1-deoxyxylulose-5-phosphate reductoisomerase 2-C-methyl-D-erythritol 4-phosphate synthase
UniProt:	<a href="#">B9JTP4</a>
Pathways:	<a href="#">Cellular Glucan Metabolic Process</a>

## 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.
Restrictions:	For Research Use only

## Handling

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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.