

Datasheet for ABIN1637592

## 1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR) (AA 1-396) protein (His tag)



[Go to Product page](#)

### Overview

Quantity:	1 mg
Target:	1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR)
Protein Characteristics:	AA 1-396
Origin:	Bifidobacterium longum
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

### Product Details

Sequence:	MSIASNSTVI ILGSTGSIGT QGLDVISRHP ERFTVTGLAA GGAHIELLAQ QAAQFHVSEV AVFDETKVPA LQAALAQAGA QGVRVTGGPD SVIAMAGSGA NVVLNGITGS IGLEPSIAAL KAGSQLALAN KESVVAGGHL LFSAQVRENQ INPVDSEHSA IWQSLRSGTH AEVAKLVVTA SGGPFRGWKR ADMENITPEQ ALHHPTWNMG PVVTINSSTL MNKGLEVIEA SRLFNVPPER IDVTVHPQSI VHSMVEFVDG ATICQASPPD MRLPIALGLS APDRMTNVAA ACDWTQAATW TFEPLDDEAF PAVQLARHCL AASEKHTAVL NAANEQAVHA FLEHRLPYLG IVDTVKAULD QMDAELRGNP LFTDVEEMNQ LELEARRRAD DLINKQ
Specificity:	Bifidobacterium longum (strain NCC 2705)
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:	1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR)
Abstract:	<a href="#">DXR Products</a>
Background:	<p>Recommended name: 1-deoxy-D-xylulose 5-phosphate reductoisomerase.</p> <p>Short name= DXP reductoisomerase.</p> <p>EC= 1.1.1.267.</p> <p>Alternative name(s): 1-deoxyxylulose-5-phosphate reductoisomerase 2-C-methyl-D-erythritol 4-phosphate synthase</p>
UniProt:	<a href="#">Q8G7Y7</a>
Pathways:	<a href="#">Cellular Glucan Metabolic Process</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.