



[Go to Product page](#)

Datasheet for ABIN1671665

**1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR)  
(AA 1-381) protein (His tag)**

Overview

Quantity:	1 mg
Target:	1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR)
Protein Characteristics:	AA 1-381
Origin:	Thermodesulfovibrio yellowstonii
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

Product Details

Sequence:	MKKVILGST GSIGKNALEV IRKFPDKFKV LGLAAKSSVN ILEEIQIKEFN PQYVAVFDKK ACDELRRKKVK NLEILKGNEG ICKLAKLKEA DIILSAIVGA AGLIPTFEAV KEGKTIGVAN KESFVMAGEL IKKQGKISGA KIIPVDSEHS AVFQCINGCN KPYIKKIWLT ASGGPFRGKK SYEIEENVTPQ EALNHPKWKM GKCRITIDSAT LMNKGFEVIE AHYLFDMPAE NIGVLIHPQS IIHCLVEFID GTYLAQMSNP DMKAPIALAL SFPERLPEIV PPIDWSITTK LQFEIPDTEV FPCKLAYEA LNAGGSMPAV LNADEVAVE AFLSGRLKFK EYKIIKKVM DAHKIVSVSS IEEVLEADSW ARKMAKKEIG E
Specificity:	Thermodesulfovibrio yellowstonii (strain ATCC 51303 / DSM 11347 / YP87)
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: [DXR Products](#)

---

UniProt: [B5YI09](#)

---

Pathways: [Cellular Glucan Metabolic Process](#)

---

## Application Details

---

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 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.

---

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.

---