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Datasheet for ABIN1643339

**1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR)
(AA 1-385) protein (His tag)**

Overview

Quantity:	1 mg
Target:	1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR)
Protein Characteristics:	AA 1-385
Origin:	Clostridium
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

Product Details

Sequence:	MKNISILGAT GSIGTQTLDV IRNDSEAFKL LAVSAHSNFK KMIEIIDEFK PELVVMVDKL AYNKVLDYCC EKKLKTSVKV GYEAFFNEVAS YKDSNIVVTS IVGMIGLIPT LEAIKAGKDI ALANKETLVV AGELVTKEAK KYGVNLPVD SEHGAIFQCL QGNKYKDINK ILLTASGGPF RGKSFDELNN VTLNDALNHP KWTMGRKITI DSATLMNKGL EVIEAHWLFN VDYEKIQVLV HPQSIVHSMV QYKDGSVIAQ LGPTDMRLPI QYALNYPVRK ERIVEPVDFY STPDLFHEKP DMDTFRCLRL AYDAGMAGGI MPAILNSANE YAVDLFLKDK IKFTNIQEII EDALNHFENV NNLTANTIIN KSNEVTKYLK GKIGF
Specificity:	Clostridium acetobutylicum (strain ATCC 824 / DSM 792 / JCM 1419 / LMG 5710 / VKM B-1787)
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.

Product Details

Purity: > 90 %

Target Details

Target: 1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR)

Abstract: [DXR Products](#)

Background: Recommended name: 1-deoxy-D-xylulose 5-phosphate reductoisomerase.
Short name= DXR reductoisomerase.
EC= 1.1.1.267.
Alternative name(s): 1-deoxyxylulose-5-phosphate reductoisomerase 2-C-methyl-D-erythritol 4-phosphate synthase

UniProt: [Q97I58](#)

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 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

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

Handling

Storage: -20 °C

Storage Comment: Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.