

Datasheet for ABIN1668720

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



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Overview

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

Product Details

Sequence:	MSRPLQITIL GATGSIGLST LDVVARHPDR YDVFALTGFS RLAE LRALCL KHRPRYAVVS DQAQARILQD QLHADGVSTR VLDGEGGLSE VAAHPEVDVV MAAIVGAAGL KPTLAAVQSG KRVLLANKEA LVMSGALFMQ ALRD SGAVLL PIDSEHNAIF QCLPTDYSQG LGTVGVRRIL LTASGGPFRE MAPDLLSDVT PEQACAH PNW SMGRKISVDS ASMMNKGLEL IEACWLFDAR PHQVEVVIHP QSVIHSMVDY VDGSVLAQLG NPDMRTPIAH ALAWPERIES GVSALDLLRV GRLDFQAPDD RRFPC LRLAR TAAEVGGTAP AMLNAANEVA VDAFLNRRIR FTEIASIID VLNHEASVPT VCLEDVLAAD RRARDVAGQW LYRNGR
Specificity:	Pseudomonas stutzeri (strain A1501)
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
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:	A4VJS7
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.