Datasheet for ABIN1672364

1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR) (AA 1-373) protein (His tag)

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Overview

Quantity:	1 mg
Target:	1-Deoxy-D-Xylulose 5-Phosphate Reductoisomerase (DXR)
Protein Characteristics:	AA 1-373
Origin:	Persephonella marina
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

Product Details

Sequence:	MKRLAVLGST GSIGTQTLDI VRKYRDRLEV SLLAASRVSE KLLDQIDEFK PEYVYIAEGE KIKGVKTLIG EDGLYKLAQL DIDLFINGIS GINGILPTYL LLENNKKLAT ANKEAIICLG EIYGDKYSDI FPIDSEHSAI FQCLLSGRKE EVEKIILTAS GGPFLNLPKE EFRYITPDQA LNHPRWKMGK KVSIDSATLM NKGFEIIEAH YLFNIPYSKI DVVIHPESIV HGLVQFIDGS VISHLSPPDM RIPICYAISY PERWEIDVRR LNLAQVKNLT FLEPDYDRFP LLNIAKECGE KGGACPTVLT TADEIAVNLF LEGKITFDMI PVYIQQVLDQ ADFSKPETFE DIIFIIKETE KIFWNILKLQ NVN
Specificity:	Persephonella marina (strain DSM 14350 / EX-H1)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalien 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:	C0QTC4
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 modificated 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.