Datasheet for ABIN1590529

Thiamine Biosynthesis2 (THI2) (AA 42-352) protein (His tag)

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Overview

Quantity:	1 mg
Target:	Thiamine Biosynthesis2 (THI2)
Protein Characteristics:	AA 42-352
Origin:	Sorghum
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA

Product Details

Sequence:	ASSISSSNP PYDLTSFRFS PIKESVVSRE MTRRYMTDMI TYADTDVVIV GAGSAGLSCA YELSKDPSVS IAIVEQSVSP GGGAWLGGQL FSAMVVRKPA HLFLDELGVA YDEAEDYVVI KHAALFTSTV MSRLLARPNV KLFNAVAVED LIVKGGRVGG VVTNWALVSM NHDTQSCMDP NVMEAKVVVS SCGHDGPFGA TGVKRLQDIG MISDVPGMKA LDMNTAEDEI VRLTREVVPG MIVTGMEVAE IDGAPRMGPT FGAMMISGQK AAHLALKALG RPNAVDGTIK VVSPALRQEF VIASKDDEVV DA
Specificity:	Sorghum bicolor (Sorghum) (Sorghum vulgare)
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:	Thiamine Biosynthesis2 (THI2)
Alternative Name:	Thiamine thiazole synthase 2, chloroplastic (THI1-2) (THI2 Products)
Background:	Recommended name: Thiamine thiazole synthase 2, chloroplastic. Alternative name(s): Thiazole biosynthetic enzyme 2
UniProt:	C5X2M4

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.