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## Datasheet for ABIN1590833 Thiamine Biosynthesis1 (THI1) (AA 44-354) protein (His tag)



## Overview

Quantity:	1 mg
Target:	Thiamine Biosynthesis1 (THI1)
Protein Characteristics:	AA 44-354
Origin:	Sorghum
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	His tag
Application:	ELISA
Product Details	
Sequence:	ASISSSN PPYDLTSFKF SPIKESIVSR EMTRRYMTDM ITHADTDVVI VGAGSAGLSC AYELSKDPTV RVAIVEQSVS PGGGAWLGGQ LFSAMVVRKP AHLFLDELGV AYDEAADDYV VVKHAALFTS TVMSAVLARP NVKLFNAVAV EDLIVKGGRV GGVVTNWALV SMNHDTQSCM DPNVMEAKVV VSSCGHDGPF GATGVKRLQD IGMIAAVPGM KALDMNAAED AIVRLTREVV PGMIVTGMEV AEIDGAPRMG PTFGAMMISG QKAAHLALKA LGRPNAVDGT IPKVSPALRE EFVIASKDDE VVDA
Sequence: Specificity:	RVAIVEQSVS PGGGAWLGGQ LFSAMVVRKP AHLFLDELGV AYDEAADDYV VVKHAALFTS TVMSAVLARP NVKLFNAVAV EDLIVKGGRV GGVVTNWALV SMNHDTQSCM DPNVMEAKVV VSSCGHDGPF GATGVKRLQD IGMIAAVPGM KALDMNAAED AIVRLTREVV PGMIVTGMEV
	RVAIVEQSVS PGGGAWLGGQ LFSAMVVRKP AHLFLDELGV AYDEAADDYV VVKHAALFTS TVMSAVLARP NVKLFNAVAV EDLIVKGGRV GGVVTNWALV SMNHDTQSCM DPNVMEAKVV VSSCGHDGPF GATGVKRLQD IGMIAAVPGM KALDMNAAED AIVRLTREVV PGMIVTGMEV AEIDGAPRMG PTFGAMMISG QKAAHLALKA LGRPNAVDGT IPKVSPALRE EFVIASKDDE VVDA

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Target Details	
Target:	Thiamine Biosynthesis1 (THI1)
Alternative Name:	Thiamine thiazole synthase 1, chloroplastic (THI1-1) (THI1 Products)
Background:	Recommended name: Thiamine thiazole synthase 1, chloroplastic. Alternative name(s): Thiazole biosynthetic enzyme 1
UniProt:	C5XNN6

## 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.

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