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Datasheet for ABIN1593694
THIE Protein (AA 1-215) (His tag)

Overview

Quantity:	1 mg
Target:	THIE
Protein Characteristics:	AA 1-215
Origin:	Aquifex aeolicus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This THIE protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MNLTIYLITD DKYFKDRDLF NTIEQALQGG VTAVQYRFEN KTTRQMYEEL VKLRELTRKY NADLVVNDRV DLALAVEADG VHIGKDDLPP EVVRKIVGDK MYIGYTANSL EEVKRAQELP VDYIGFGSIY HTSTKENYKL VGVEALKEAV KISQKPIVCI GGIMPYRVPE VVRAGCRNIA VSSGILGFAD VKKAAESIKR AYQETLRMLM LMGKV
Specificity:	Aquifex aeolicus (strain VF5)
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:	THIE
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Target Details

Alternative Name: Thiamine-phosphate synthase 1 (thiE1) ([THIE Products](#))

Background: Recommended name: Thiamine-phosphate synthase 1.
Short name= TP synthase 1.
Short name= TPS 1.
EC= 2.5.1.3.
Alternative name(s): Thiamine-phosphate pyrophosphorylase 1.
Short name= TMP pyrophosphorylase 1.
Short name= TMP-PPase 1

UniProt: [O66833](#)

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.
