Datasheet for ABIN1643606

TPS1 Protein (AA 1-459) (His tag)

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Overview

Quantity:	1 mg
Target:	TPS1
Protein Characteristics:	AA 1-459
Origin:	Encephalitozoon cuniculi
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This TPS1 protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	MKLLVVSNRL PLTVKKSKDG FEYTKTSGGL VTGLRGISDK IRFMWLGNIS GVELDEEEKK VIRKDCWEKF HSIPVFIDPV LNSNSYDGFC NAILWPIIHS FKDDVAFTIK DYNAYVEYNT IFCEEICKIV EDGDIVWVHD YHLMILPEML RKKSDKSFKI MFFLHAQFPP AEIMETLACR REIVSGMAHS DLIAFHSFDY AINFDDTCRA NKVEVRSKLD AIPIGIDPAM FRSALKEEKT VERIKELREM FRGRKILLGV DRTDYIKGMP HRVKGFQRFL EKHPEFLDNV VFLQVGVPSR TSVKEYSSYI TKMNELVSET NSKFGSIESV HLYFLNKSVD FNELCALYAV SDMLLVTSLQ DGMNLVALEY ISCQNENNGV LLLSSNAGAS TTLPAAVEVN SWNTEEIADG IHRAITMSLE ERTERHEINR KAVDTFTSVE WAEKNLDGLC DDWRESLML
Specificity:	Encephalitozoon cuniculi (strain GB-M1) (Microsporidian parasite)
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.

Product Details

Purity:	> 90 %

Target Details

Target:	TPS1
Alternative Name:	Alpha,alpha-trehalose-phosphate synthase [UDP-forming] (TPS1) (TPS1 Products)
Background:	Recommended name: Alpha,alpha-trehalose-phosphate synthase [UDP-forming]. EC= 2.4.1.15. Alternative name(s): General glucose sensor subunit 1 Trehalose synthase complex catalytic subunit TPS1 Trehalose-6-phosphate synthase UDP-glucose-glucosephosphate glucosyltransferase
UniProt:	Q8SSL2

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

Handling

Storage Comment:	Store at -20 °C, for extended storage, conserve at -20 °C or -80 °C.