

Datasheet for ABIN7585418
PAICS Protein (AA 2-425) (His tag)



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Overview

Quantity:	100 µg
Target:	PAICS
Protein Characteristics:	AA 2-425
Origin:	Rat
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAICS protein is labelled with His tag.
Application:	ELISA

Product Details

Sequence:	ATA EVLNIG RKLYEGKTKE VYELLDSPGR VLLQSKDQIT AGNAARKNHL EGKAAISNKI TSCIFQLLQE AGIKTAFTKK CGETAFIAPQ CEMPIEWVC RRIATGSFLK RNPGVKEGYR FYPPKVEMFF KDDANNDPQW SEEQLIAAKF CFAGLVIGQT EVDIMSHATQ AIFEILEKSW LPQNCTLVDM KIEFGVDVTT KEIVLADVID NDSWRLWPSG DRSQQKDKQS YRDLKEVTPE GLQMVKKNFE WVADRVLLL KSNSQCRVVV LMGSTSDLGH CEKIKKACGN FGIPCELRVT SAHKGPDETL RIKAEYEGDG IPTVFVAVAG RSNGLGPVMS GNTAYPVISC PPITADWGAQ DVWSSLRLPS GIGCSTILSP EGSAQFAAQI FGLNNHLVWA KLRASKLNTW ISLKQADKKI RECNL
Specificity:	Rattus norvegicus (Rat)
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:	PAICS
Alternative Name:	Multifunctional protein ADE2 (Paics) (PAICS Products)
Background:	Recommended name: Multifunctional protein ADE2 Including the following 2 domains: Phosphoribosylaminoimidazole-succinocarboxamide synthase. EC= 6.3.2.6. Alternative name(s): SAICAR synthetase Phosphoribosylaminoimidazole carboxylase. EC= 4.1.1.21. Alternative name(s): AIR carboxylase. Short name= AIRC
UniProt:	P51583
Pathways:	Chromatin Binding

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

Handling

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