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## Datasheet for ABIN1633942 PAICS Protein (AA 2-425) (His tag)



Overview	
Quantity:	1 mg
Target:	PAICS
Protein Characteristics:	AA 2-425
Origin:	Orang-Utan
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAICS protein is labelled with His tag.
Application:	ELISA
Product Details	
Sequence:	ATAEVLNIG KKLYEGKTKE VYELLDSPGK VLLQSKDQIT AGNAARKNHL EGKAAISNKI
	TSCIFQLLQE AGIKTAFTRK CGETAFIAPQ CEMIPIEWVC GRIATGSFLK RNPGVKEGYK
	FYPPKVELFF KDDANNDPQW SAEQLIAAKF CFAGLVIGQT EVDIMSHATQ AIFEILEKSW
	LPQNCTLVDM KIEFGVDVTT KEIVLADVID NDSWRLWPSG DRSQQKDKQS YRDLKEVTPE
	GLQMVKKNFE WVAERVELLL KSESQCRVVV LMGSTSDLGH CEKIKKACGN FGIPCELRVT
	SAHKGPDETL RIKAEYEGDG IPTVFVAVAG RSNGLGPVMC GNTAYPVISC PPLTPDWGAQ
	DVWSSLRLPS GLGCSTILSP EGSAQFAAQI FGLNNHLVWS KLRASILNTW ISLKQADKKI RECNL
Specificity:	Pongo abelii (Sumatran orangutan)
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 %

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## 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:	Q5RB59
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 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

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

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