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Datasheet for ABIN1663402

**PAICS Protein (AA 1-426) (His tag)**

## Overview

Quantity:	1 mg
Target:	PAICS
Protein Characteristics:	AA 1-426
Origin:	Chicken
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This PAICS protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	MAPAASELKL GKKVNEGKTK EVYELPDIPG CVLMQSKDQI TAGNAARKDR MEGKAAISNT TTSCVFQLLQ EAGIKTAFVR KQSDTAFIAA HCEMPIEWV CRRATGSFL KRNPGVKEGY KFYPPKIEMF YKDDANNDPQ WSEEQLIEAK FSFAGLTIGK TEVDIMARST QAIFEILEKS WQPQNCTLVD LKIEFGVNIL TKEIVLADVI DNDSWRLWPS GDRSQQKDKQ SYRDLKEVTP EALQMVKRNF EWVAERVELL LKTKSQGRVV VLMGSTSDLG HCEKIKKACA TFGIPCELRV TSAHKGPDET LRIKAEYEGD GIPTVFVAVA GRSNGLGPVM SGNTAYPVVN CPPLSSDWGA QDVWSSLRLP SGLGCPTTLS PEGAAQFAAQ IFGLNNHLVW AKLRSNMLNT WISLKQADKK LRECTL
Specificity:	Gallus gallus (Chicken)
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.

## Product Details

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Purity: > 90 %

## Target Details

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Target: PAICS

Alternative Name: Multifunctional protein ADE2 (AIRC) ([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: [P38024](#)

Pathways: [Chromatin Binding](#)

## Application Details

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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 modified 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

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Format: Lyophilized

Concentration: 0.2-2 mg/mL

Buffer: Tris-based buffer, 50 % glycerol

## Handling

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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.