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Datasheet for ABIN1645126  
**ATIC Protein (AA 1-499) (His tag)**

## Overview

Quantity:	1 mg
Target:	ATIC
Protein Characteristics:	AA 1-499
Origin:	Clostridium
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATIC protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	MIKRALISVF NKNIGILKLAK FLNEKGVEIL STGGTYKHLK ENGIPVIEVS EVTGFDEILD GRVKTLHPKI HGGILAIRDN KEHMDTIKNK GITPIDMVVV NLYPFFDKVK ENISFEEKVE FIDIGGPTMI RAAAKNFQDV VVLTVDNDYD DVIDQIEKTG EVAYNTKKRL AGKVFNLMSA YDGAISRFLLEDEYPEYLAV PYKKKMDLRY GENPHQTAAF YEAAFGDGAM KGFEQLNGKE LSYNNIKDMD IAWKVVNEFD ETVCCALKHN SPCGVAIGEN PLDAYKKAFE CDDTSIFGGI VALNKVIDKP AAEEMVKIFL EIVIAPDFTA DALEVLKSKK NLRVIKAN EK PSDNFELAKV DGAMLVQSAD NKLTEKMEVV TDKKPTDEEM RDMIFGMKVV KYVKSNAIVV VKNGAAVGIG GGQVNRIWPA KDAMERGKGA AVLASDAFFP FGDIVEEAHK NGIKAIQPG GSIRDQESID GCNKYGISMV MTGIRHFKH
Specificity:	Clostridium acetobutylicum (strain ATCC 824 / DSM 792 / JCM 1419 / LMG 5710 / VKM B-1787)
Characteristics:	Please inquire if you are interested in this recombinant protein expressed in E. coli, mammalian

## Product Details

cells or by baculovirus infection. Be aware about differences in price and lead time.

Purity: > 90 %

## Target Details

Target: ATIC

Alternative Name: Bifunctional purine biosynthesis protein PurH (purH) ([ATIC Products](#))

Background: Recommended name: Bifunctional purine biosynthesis protein PurH Including the following 2 domains: Phosphoribosylaminoimidazolecarboxamide formyltransferase.  
EC= 2.1.2.3.  
Alternative name(s): AICAR transformylase IMP cyclohydrolase.  
EC= 3.5.4.10.  
Alternative name(s): ATIC IMP synthase Inosinicas

UniProt: [Q97J91](#)

## 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 modifacated 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

## Handling

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one week

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Storage: -20 °C

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