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Datasheet for ABIN1672207

**ATIC Protein (AA 1-492) (His tag)**

## Overview

Quantity:	1 mg
Target:	ATIC
Protein Characteristics:	AA 1-492
Origin:	Macrococcus caseolyticus
Source:	Yeast
Protein Type:	Recombinant
Purification tag / Conjugate:	This ATIC protein is labelled with His tag.
Application:	ELISA

## Product Details

Sequence:	MRKALLSVSD KTGIIPFAER LTDLDFELYS TGGTKKALED NDI AVKS VSE LTNFPEIMDG RVKTLHPNIH GGILADRNNP EHIKAMETHG IQPLDLVVVN LYPFEATVAN PDVTEMDAIE NIDIGGPTML RSSAKNFRHV ITVVDPADYD EVIEKLKTD T LDETFRKQLM IKVFTHTNKY DAAIVNFFSD NTSTLRYGEN PHQKARFIKT DAKPNTLAGA RVLHGKPLSF NNIKDADATL FLVKQFDMPA AVAVKHMNPC GVG TGEVISE AFQ NAYDADS QSIFGGIVAL NREVDKATAE KMHAIFLEVI IAPKFSDEAL EILTAKKNIR LLEIDMDMDK DEEFVSVSG GYLVDKDLL NVTREDMRVV T NTEPTAQW KAIELGWKVV KSVKSNAIVL ANDKQTVGIG AGQMNRVGAA KIAIERAIEM NDNVVLASDG FFPMSDTVET AYAAGIKCIV QPGGSIKDQD SIDKAN EYGI AMVMTDVRHF KH
Specificity:	Macrococcus caseolyticus (strain JCSC5402)
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

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 Inosinase

UniProt: [B9EAZ2](#)

## 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 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

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

## Handling

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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.