



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

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## Datasheet

### ATIC (Human) Recombinant Protein (P01)

**Catalog Number:** H00000471-P01

**Regulation Status:** For research use only (RUO)

**Product Description:** Human ATIC full-length ORF ( NP\_004035.2, 1 a.a. - 592 a.a.) recombinant protein with GST-tag at N-terminal.

**Sequence:**

MAPGQLALFSVSDKTGLVEFARNLTALGLNLVASGGT  
AKALRDAGLAVRDVSELTGFPEMLGGRVKTLPVAVHA  
GILARNIPEDNADMARLDFNLIRVVACNLYPFVKTVASP  
GVTVEEAVEQIDIGGVTLRRAAKNHARVTVVCEPEDY  
VVVSTEMQSSSEKDTSLLETRRQLALKAFTHTAQYDEAI  
SDYFRKQYSKGVSQMPLRYGMNPHQTPAQLYTLQPK  
LPITVLNGAPGFINLCDALNAWQLVKELKEALGIPAAAS  
FKHVSPAGAAVGIPLSEDEAKVCMVYDLYKLTLPISAA  
YARARGADRMSSFGDFVALSDVCDVPTAKIISREVSD  
GIIAPGYEEEEALTILSKKKNGNYCVLQMDQSYKPDENE  
VRTLFGLHLSQKRNNGVVDKSLFSNVVTKNKDLPESA  
LRDLIVATIAVKYTSNSVCYAKNGQVIGIGAGQQSRIH  
CTRLAGDKANYWWLRHHPQVLSMKFKTGVKRAEISN  
AIDQYVTGTIGEDEDLIKWKALFEEVPELLTEAEKKEW  
VEKLTEVSISSDAFFPFRDNVDRAKRSGVAYIAAPSGS  
AADKVVEIACDELGILAHNTNLRRLFHH

**Host:** Wheat Germ (in vitro)

**Theoretical MW (kDa):** 91

**Applications:** AP, Array, ELISA, WB-Re  
(See our web site product page for detailed applications information)

**Protocols:** See our web site at  
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

**Preparation Method:** [in vitro wheat germ expression system](#)

**Purification:** Glutathione Sepharose 4 Fast Flow

**Storage Buffer:** 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

**Storage Instruction:** Store at -80°C. Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 471

**Gene Symbol:** ATIC

**Gene Alias:** AICAR, AICARFT, FLJ93545, IMPCHASE, PURH

**Gene Summary:** This gene encodes a bifunctional protein that catalyzes the last two steps of the de novo purine biosynthetic pathway. The N-terminal domain has phosphoribosylaminoimidazolecarboxamide formyltransferase activity, and the C-terminal domain has IMP cyclohydrolase activity. A mutation in this gene results in AICA-ribosiduria. [provided by RefSeq]