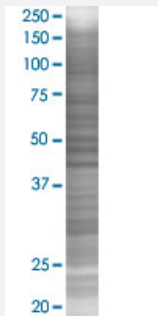


ATIC 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00000471-T02

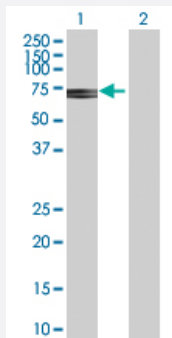
Size 100 uL

Applications



SDS-PAGE Gel

ATIC transfected lysate.



Western Blot

Lane 1: ATIC transfected lysate (64.60 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-ATIC full-length

Host Human

Theoretical MW (kDa) 64.6

Quality Control Testing Transient overexpression cell lysate was tested with Anti-ATIC antibody ([H00000471-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 ATIC transfected lysate.
 Western Blot
 Lane 1: ATIC transfected lysate (64.60 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — ATIC

Entrez GeneID[471](#)**GeneBank Accession#**[NM_004044.4](#)**Protein Accession#**[NP_004035.2](#)**Gene Name**

ATIC

Gene Alias

AICAR, AICARFT, FLJ93545, IMPCHASE, PURH

Gene Description

5-aminoimidazole-4-carboxamide ribonucleotide formyltransferase/IMP cyclohydrolase

Omim ID[601731 608688](#)**Gene Ontology**[Hyperlink](#)**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]

Other Designations

AICARFT/IMPCHASE

Pathway

- [Biosynthesis of alkaloids derived from histidine and purine](#)
- [Biosynthesis of plant hormones](#)
- [Metabolic pathways](#)
- [One carbon pool by folate](#)

- [Purine metabolism](#)

Disease

- [Arthritis](#)
- [Cardiovascular Diseases](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Colorectal Neoplasms](#)
- [Diabetes Mellitus](#)
- [Edema](#)
- [Gastrointestinal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Liver Diseases](#)
- [Psoriasis](#)
- [Spinal Dysraphism](#)
- [Venous Thrombosis](#)