

## **Product datasheet for SC201041**

## ATIC (NM 004044) Human 3' UTR Clone

## **Product data:**

**Product Type:** 3' UTR Clones

**Product Name:** ATIC (NM\_004044) Human 3' UTR Clone

**Vector:** pMirTarget (PS100062)

Symbol: ATIC

Synonyms: AICAR; AICARFT; HEL-S-70p; IMPCHASE; PURH

**ACCN:** NM\_004044

**Insert Size:** 139 bp

Insert Sequence: >SC201041 3'UTR clone of NM\_004044

The sequence shown below is from the reference sequence of NM $\_004044$ . The complete

sequence of this clone may contain minor differences, such as SNPs.

Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG

TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC

CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

**Restriction Sites:** Sgfl-Mlul

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a

point of reference. Note that the complete sequence of this clone is largely the same as the

reference sequence but may contain minor differences, e.g., single nucleotide

polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The

package also includes 100 pmols of both the corresponding 5' and 3' vector primers in

separate vials.

RefSeq: <u>NM 004044.7</u>

**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.

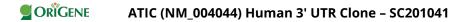
[provided by RefSeq, Sep 2009]



**OriGene Technologies, Inc.** 9620 Medical Center Drive, Ste 200

CN: techsupport@origene.cn

Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com



Locus ID: 471

**MW:** 5.6