

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

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CATACGAACCTTCGGCTCTTCCACCACTGATTTTACCACACACTGTTTTTGGCTTGCTTATGTGTAGG
TGAACAGTCACGCCTGAAACTTTGAGGATAACTTTTTAAAAAATAAACAGTATCTCTTAATCACTGGA
ACGCGTAAGCGGCCGCGCATCTAGATTCAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

Restriction Sites: SgfI-MluI

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: [NM_004044.7](#)

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]



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Locus ID: 471

MW: 5.6