

## Product datasheet for **SC206502**

### **NAGS (NM\_153006) Human 3' UTR Clone**

#### **Product data:**

**Product Type:** 3' UTR Clones  
**Product Name:** NAGS (NM\_153006) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** NAGS  
**Synonyms:** AGAS; ARGA  
**ACCN:** NM\_153006  
**Insert Size:** 497 bp  
**Insert Sequence:** >SC206502 3'UTR clone of NM\_153006  
The sequence shown below is from the reference sequence of NM\_153006. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CACAAAGCCAGCTTCTGACCCAGGCAGCTGACCCCTACCACACTGGACACTACAGGCCCTGGAATGGCCAGGG
TGGACCAAAGCCATGCCAGCTGGGCATGACCCAGGCAGCCAGCCACAGGCTGAAGGGGGCTTGTGG
CTGAGTGATCTGCAGAGGAGAAAGCAGCCAGCTCTGCCAGAGGAGGGCTGAAGTGGGACAAGCAC
AGGAAAGAAGGGGACCAGTCTAGGACCCCAACTCGACTACTCTAAAGCTACAACCAAATGGCCTTCGA
TTTTCAACCTGGGGATTAGGGGAGGGGAGGGTGCCTTCCAGGGCTCTACTCAGGACTAACCCTAAGGGT
GAGCTAGTTTCTGTGCCTCTGTGCTATGTTTTGAGGCTCCCTTACCCAAAATAATACCCCTGCCTGCGT
GATATTCTACCATTATTTAATTCCTTTGGGTCTTGAGTTTTTCAGGAGGCCTTGATTAATGCAA
ATACTTGCTGAGA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
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\\_153006.3](#)



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**Summary:** The N-acetylglutamate synthase gene encodes a mitochondrial enzyme that catalyzes the formation of N-acetylglutamate (NAG) from glutamate and acetyl coenzyme-A. NAG is a cofactor of carbamyl phosphate synthetase I (CPSI), the first enzyme of the urea cycle in mammals. This gene may regulate ureagenesis by altering NAG availability and, thereby, CPSI activity. Deficiencies in N-acetylglutamate synthase have been associated with hyperammonemia. [provided by RefSeq, Jul 2008]

**Locus ID:** 162417

**MW:** 18.6