

## Product datasheet for **SC202359**

### GART (NM\_001136005) Human 3' UTR Clone

#### Product data:

Product Type:	3' UTR Clones
Product Name:	GART (NM_001136005) Human 3' UTR Clone
Symbol:	GART
Synonyms:	AIRS; GARS; GARTF; PAIS; PGFT; PRGS
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_001136005
Insert Size:	238 bp
Insert Sequence:	<p>&gt;SC202359 3'UTR clone of NM_001136005 The sequence shown below is from the reference sequence of NM_001136005. The complete sequence of this clone may contain minor differences, such as SNPs. <b>Blue</b>=Stop Codon <b>Red</b>=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAA<b>GCGATCGCC</b> GGCAAGATCTGTTGGGTTAAAGAGGAA<b>TGA</b>AGCCTTTTAATTCAGAAATGGGGCCAGTTTAGAAAGAAT TATTTGCTGTTTGCATGGTGGTTTTTATCATGGACTTGGCCAAAAGAAAACTGCTAAAAGACAAAA AAGACCTACCCTTACTTCATCTATTTTTTAATAAATAGAGACTCACTAAAAACAAGACTAGTTAGTG CAGCATATCTGAGACAAAAAAAAAAAAAAAA <b>ACGCGT</b>AAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG </pre>
Restriction Sites:	Sgfl-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:	<u><a href="#">NM_001136005.1</a></u>



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**Summary:** The protein encoded by this gene is a trifunctional polypeptide. It has phosphoribosylglycinamide formyltransferase, phosphoribosylglycinamide synthetase, phosphoribosylaminoimidazole synthetase activity which is required for de novo purine biosynthesis. This enzyme is highly conserved in vertebrates. Alternative splicing of this gene results in two transcript variants encoding different isoforms. [provided by RefSeq, Jul 2008]

**Locus ID:** 2618

**MW:** 9.7