

## Product datasheet for **SC207461**

### GAA (NM\_000152) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** GAA (NM\_000152) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** GAA  
**Synonyms:** LYAG  
**ACCN:** NM\_000152  
**Insert Size:** 580 bp  
**Insert Sequence:** >SC207461 3'UTR clone of NM\_000152  
The sequence shown below is from the reference sequence of NM\_000152. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGAGAGCAGTTTCTCGTCAGCTGGTGTAGCCGGGCGGAGTGTGTTAGTCTCTCCAGAGGGAGGCTGGT
TCCCAGGGAAGCAGAGCCTGTGTGCGGGCAGCAGCTGTGTGCGGCCTGGGGTTGCATGTGTCACCT
GGAGCTGGGCACTAACCATTCCAAGCCGCGCATCGCTTGTTCACCTCCTGGGCGGGGCTCTGGCC
CCCAACGTGTCTAGGAGAGCTTTCTCCCTAGATCGCACTGTGGCCGGGGCCCTGGAGGGTGTCTGT
GTTAATAAGATTGTAAGTTTGCCTCCTCACCTGTTGCCGGCATGCGGGTAGTATTAGCCACCCCT
CCATCTGTTCCAGCACCAGGAGAAGGGGTGCTCAGGTGGAGGTGTGGGGTATGCACCTGAGCTCCTGC
TTCGCGCCTGCTGCTCTGCCCAACGCGACCGCTGCCCGGCTGCCAGAGGGCTGGATGCCTGCCGGTC
CCCAGCAAGCCTGGAACTCAGGAAAATTCACAGGACTTGGGAGATTCTAAATCTTAAGTGAATTAT
TTTTAATAAAAAGGGCATTGGAATCAG
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 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.



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RefSeq: [NM\\_000152.5](#)

**Summary:** This gene encodes lysosomal alpha-glucosidase, which is essential for the degradation of glycogen to glucose in lysosomes. The encoded preproprotein is proteolytically processed to generate multiple intermediate forms and the mature form of the enzyme. Defects in this gene are the cause of glycogen storage disease II, also known as Pompe's disease, which is an autosomal recessive disorder with a broad clinical spectrum. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Locus ID: 2548

MW: 20.5