

## Product datasheet for **SC207260**

### GABARAPL2 (NM\_007285) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** GABARAPL2 (NM\_007285) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** GABARAPL2  
**Synonyms:** ATG8; ATG8C; GATE-16; GATE16; GEF-2; GEF2  
**ACCN:** NM\_007285  
**Insert Size:** 542 bp  
**Insert Sequence:** >SC207260 3'UTR clone of NM\_007285  
The sequence shown below is from the reference sequence of NM\_007285. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TACAGCGGAGAGAACACTTTTGGCTTCTGAGGGCCATTGCTGGGCTAGGTGCACCGTAACCTGTTGTG
ATCTTGTAATAGCCAGCCATTTTCAGTTATTATACCAGAACCTCTTCACATAGACCTATTAGTGCATT
TGTAAGTGGATTTATTTCTTAATATATTGGAAGGTTTTGTTTCCTTAGACTAGTAAATTATCATACAGA
GTTTTATTTGAGTTTTTCTTTTTGTGCATTGTCTCATGCCTGTATTCTCCAGGAAACTTGTCTTCT
GGAAATCATATTGAATGATATTTCTATATCGAAGTGAGGTAGGTGCGGTATTAAGTGAAGGGAAGGT
GATGCATTTATTCTGGGTTATGCTTGAAGTGTTAGATGGCTAAGTATTAATAATCCAAATTAATCC
TTAGCAGTCAGAACACTTGCTTCACTAGAATATGCCAACTGCCAATCATGTTGGACTGAGCTAATTTGT
TCCTCTTCTGAAACTATTAAGGTAATAATTAACAATAAAAATTCTCTTATAAAGGCA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
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\\_007285.7](#)



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**Summary:**

Ubiquitin-like modifier involved in intra-Golgi traffic. Modulates intra-Golgi transport through coupling between NSF activity and SNAREs activation. It first stimulates the ATPase activity of NSF which in turn stimulates the association with GOSR1 (By similarity). Involved in autophagy. Plays a role in mitophagy which contributes to regulate mitochondrial quantity and quality by eliminating the mitochondria to a basal level to fulfill cellular energy requirements and preventing excess ROS production. Whereas LC3s are involved in elongation of the phagophore membrane, the GABARAP/GATE-16 subfamily is essential for a later stage in autophagosome maturation.[UniProtKB/Swiss-Prot Function]

**Locus ID:**

11345

**MW:**

21.1