

## Product datasheet for **SC300135**

### Gastrin (GAST) (NM\_000805) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gastrin (GAST) (NM_000805) Human Untagged Clone
Tag:	Tag Free
Symbol:	Gastrin
Synonyms:	GAS
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_000805 edited GGCACCACACCTCCCAGCTCTGCAGACGAGATGCAGCGACTATGTGTGTATGTGCTGA TCTTTGCACTGGCTCTGGCCGCTTCTCTGAAGCTTCTTGAAGCCCGCTCCCAGCAGC CAGATGCACCCTTAGGTACAGGGGCCAACAGGGACCTGGAGCTACCCTGGCTGGAGCAGC AGGGCCAGCCTCTCATCATCGAAGGCAGCTGGGACCCAGGGTCCCCACACCTCGTGG CAGACCCGTCCAAGAAGCAGGGACCATGGCTGGAGGAAGAAGAAGCCTATGGATGGA TGGACTTCGGCCGCCAGTGTGAGGATGAGAACTAACAATCCTAGAACCAAGCTTCAG AGCCTAGCCACCTCCCACCCACTCCAGCCCTGTCCCCTGAAAACTGAT
Restriction Sites:	Please inquire
ACCN:	NM_000805
Insert Size:	400 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	The ORF of this clone has been fully sequenced and found to be a perfect match to NM_000805.3.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_000805.3](#), [NP\\_000796.1](#)

**RefSeq Size:** 440 bp

**RefSeq ORF:** 306 bp

**Locus ID:** 2520

**UniProt ID:** [P01350](#)

**Cytogenetics:** 17q21.2

**Protein Families:** Druggable Genome, Secreted Protein

**Gene Summary:** Gastrin is a hormone whose main function is to stimulate secretion of hydrochloric acid by the gastric mucosa, which results in gastrin formation inhibition. This hormone also acts as a mitogenic factor for gastrointestinal epithelial cells. Gastrin has two biologically active peptide forms, G34 and G17. [provided by RefSeq, Jul 2008]