

Product datasheet for **MC204768**

Gast (NM_010257) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gast (NM_010257) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gast
Synonyms:	G; GAS
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC064791 CGGACGCGTGGGAGCGCCACAACAGCCAATATCCCCAGCTCTGTGGACAAGATGCCTCGACTGTGTGT GTACATGCTGGTCTTAGTGCTGGCTCTAGCTACCTTCTCGGAAGCTTCTTGAAGCCCCGCTCCCAGCTA CAGGATGCATCATCTGGACCAGGGACCAATGAGGACCTGGAACAGCGCCAGTTCAACAAGCTGGGCTCAG CCTCTACCATCGAAGGCAGCTGGGGCTCCAGGTCCTCAACACTTCATAGCAGACCTGTCCAAGAAGCA GAGGCCACGAATGGAGGAAGAAGAAGAGGCCTACGGATGGATGGACTTTGGCCGCCGAGTGCTGAGGAA GACCAGTAGGACTAGCAACTCTTCCAGAGCCCAGCCATCTCCAGCCACCCCTCCCCAGCTCCGTCTCT TACAAAACATATTAATAAGCTAGCTTCCAATGTAAAAAAAAAAAAAAAAAAAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_010257
Insert Size:	306 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).
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).



[View online »](#)

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: [BC064791](#), [AAH64791](#)

RefSeq Size: 478 bp

RefSeq ORF: 306 bp

Locus ID: 14459

UniProt ID: [P48757](#)

Cytogenetics: 11 63.46 cM

Gene Summary: This gene encodes the peptide hormone gastrin, which stimulates gastric acid secretion, proliferation, cell migration and angiogenesis, as well as inhibits apoptosis. The encoded preproprotein undergoes proteolytic processing to generate multiple gastrin peptides differing in size. Mice lacking the encoded protein exhibit a decrease in the number of parietal cells, achlorohydia and a decrease in the colonic proliferation. [provided by RefSeq, Nov 2015]