

## Product datasheet for **MC219384**

### **Gata6 (NM\_010258) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Gata6 (NM_010258) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Gata6
Synonyms:	AA410133; GATA-6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >NM\_010258.3  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTTGACTGACGGCGGCTGGTGCCTGCCAAAGCCTTCGGGGCTGCTGCTGCGGACGCCGGCGACT  
 CCGGGCCCTTCCAGCGGGGAGCCCTCTCGCCGCTTCCCCCATCTCGTCTTCTGCTCCTCCTGCTC  
 CCGGGGCGGGATCGCGGTCCCTGCGGCCAGCAACTGCAGGACGCCGAGCTCGACGCCGAGGCGGTG  
 GCGGGACCTCCGGGCGCTCGTCTTGCTCAGCCCTACGCTCGCATCCCTTCGCCGCTGCCACGGAG  
 CCGCGGCGCCGGGTGCGAGGCCCGGGAGCGCCCTGTCGACTTGGGAGGACCTGTTGCTTCTACTGA  
 CCTCGATCAGGCCGCGACCGCCAGCAAGCTGTTGTGGTCCAGCCGGGGCGCCAAACTGAGCCCTTCGG  
 GCCGAGCAGCCGAGGAAATGTACCAGACCCTCGCCGCTGTCAGCCAGGGGCCCGCGCTTACGACG  
 GCGCGCCCGCGGCTTCGTGCACTCCGAGCGGGCGGCGCTGCCGCCGCGGAGCCAGCTCCCGGT  
 CTACGTGCCACACGCGCGTGGCTCCATGCTGTCCGGCTGCCCTACCTTCAAGGGGCGGGCAGCGGG  
 CCCAGCAATCACGCGGGCGAGCGGGTGCCACCCAGGCTGGTCCAGGCCCTCCGCCGACAGCCCCCGT  
 ATGGCGGGGTGGCGCAGCCGGCGGCGCGCCGACCTGGAGGTGCGGGATCGGCTACGGCCACGC  
 CTCTGCACGCTTCCCTACTCGCCAGCCCGCCATGGCCAACGGCGCCGCGGAGACCCGGGGGTAC  
 GTGGTGCGGGCGCACGGGCGCAGGAGTGTGAGTGGAGGTGGCGGCAGCCTGGCGCCATGGTGGCC  
 GGGAGCACCAGTACAGCTCGCTGTCCGAGCTCGGCCGCTGAACGGAACGTACCACCACCACCATACCA  
 TCACCCGACCTACTCGCCCTACATGGCCGACCCGCTGACTCCTGCCTGGCCAGCAGGACCCTTCGAAACG  
 CCGGTGCTCCACAGCTTACAGGGCCGCGGGAGCTCCACTCCCGGTGCCAGGGGCCAGCACAGACC  
 TGTTGGAGGACCTGTCGAGAGCCGCGAGTGCCTGAACGCGGCTCCATCCAGACGCCACTGTGGAGAG  
 AGACGGCACCGGTCAATTACCTGTGCAATGCATGCGGTCTCTACAGCAAGATGAATGGCCTCAGCAGGCC  
 CTCATCAAGCCACAGAAGCGCTGCCTTATCACGGCGCTTGGACTGTCTGTGCCAACTGTACACCA  
 CAACCACTACCTTATGGCGTAGAAATGCTGAGGGTGAAGCTGTGTGCAATGCTTGCGGGCTCTATATGAA  
 ACTCCATGGGGTGCCTCGACCATTGCTATGAAAAAGAAGGAATTCAAACCAGGAAACGAAACCTAAA  
 AATATAAATAAGTCAAAGCTTGTCCGGTAACAGCAGTGGCTCTGTCCCTATGACTCCTACTTCTCTT  
 CTTCTAATTCAGATGACTGCACAAAAATACTTCTCTTCTACACAAGCGACCACCTCAGGGGTAGGGG  
 ATCAGTGTGTCTGAGTGGGAGAAAACGCCAACCCGAGAACAGTACCTCAAGTATTCAGGTCAAGAC  
 GGCTCTACATAGGTGTCAGTCTGTCTCCCTGCCGAAGTACATCCTCCGTGCGACAGGATTCTGGT  
 GTGCTGCGCCCTGGCCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2466\\_e06.zip](https://cdn.origene.com/chromatograms/ja2466_e06.zip)  
**Restriction Sites:** Sgfl-Mlul  
**ACCN:** NM\_010258  
**Insert Size:** 1770 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**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).

**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\\_010258.3](#), [NP\\_034388.2](#)

**RefSeq Size:** 3194 bp

**RefSeq ORF:** 1770 bp

**Locus ID:** 14465

**UniProt ID:** [Q61169](#)

**Cytogenetics:** 18 5.63 cM

**Gene Summary:** Transcriptional activator that regulates SEMA3C and PLXNA2 (PubMed:19666519). May regulate genes that protect epithelial cells from bacterial infection (By similarity). Involved in gene regulation specifically in the gastric epithelium (By similarity). Involved in bone morphogenetic protein (BMP)-mediated cardiac-specific gene expression (PubMed:15329343). Binds to BMP response element (BMPRE) DNA sequences within cardiac activating regions (PubMed:15329343).[UniProtKB/Swiss-Prot Function]