

## Product datasheet for **MG205163**

### Gas1 (BC058628) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Gas1 (BC058628) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gas1
Synonyms:	AW554192; Gas-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205163 representing BC058628 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTAGCCGCGTCTGGGCGGCGCCGGGCCCCGCACGGGGACCTTGCCGGGCGCCTTGCTGTGCCTGA  
TGGCGTGTGCAGCTGCTGTGCTCGGCACCGCGGGGCTCGGGGCTAGCGCACGGCCGCCCTCATCTG  
CTGGCAGGCGTGTGCAGTGTGAGGGGAGCCCGACTGCAGCTACGCCTACAGCCAGTACGCCGAGGCT  
TGTGCGCCGGTGTAGCGCAGCGCGCGGGGCTGATGCTCCGGGGCCCGCGCGCCTCCCGCCTCGG  
CCGCGTCTCGCGCGCTGGCGTGCACGAGCCACTGCATCTCGGCGCTTATCCAGCTCAACCACACGCG  
CCGCGGGCCCGCTGGAGGACTGCGACTGCGCGCAGGACGAACACTGCAGGTCCACCAAGCGCGCCATC  
GAGCCCTGTCTGCCGCGCACCAGCAGCGTGGGCCCCGGGCGGGAGCGGGCTCGGTTCATGGGCTGCACTG  
AGGCCCGGCGGCGTGCACCGGACAGCCGCTGCAACCTGGCGCTCAGCCGCTACCTGGCCTACTGCGG  
CAAGCTTTTCAACGGGCTGCGTGCACAGACGAGTGCCGCGCGGTTCATCGAGGACATGCTGGCCGTGCC  
AAGCGGGCGTGTCAACGACTGCGTGTGCGATGGGCTGGAGCGGCCATCTGCGAATCGGTCAAAGAGA  
ACATGGCCCGCTGTGCTTCGGCCAGATGCGAGCAACGGTCCGGGCAGCAGCGGCTCGGACGGGGGCT  
GGACGACTACTACGACGAAGAATATGACGACGAGCAGCGCGTGGGGCCCGGGCGGCGAGCAACCCCTG  
GACGACGACGCGCCTTGCGCGCCCGGGCGGCGGCTGCTGCGCGGGGCGGCGGAGACTTGCCCC  
ACGGTCCCGGGCGAGGAGCAGCAGCAGCGGCACTGGAGGCCACTGGGCGAATCGAAGCGCTGGACCC  
GTTTGCCTGTTGCTGCTGCTGTTGCTCCTGCTGCTCGGGTCACACTTG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205163 representing BC058628  
 Red=Cloning site Green=Tags(s)

MLAALLGGAGARTGTLPGALLCLMALLQLLCSAPRGSGLAHGRRLICWQALLQCQGEPCSYAYSQYAEA  
 CAPVLAQRGGADAPGPAGAFPASAASSPRWRCP SHCISALIQLNHTRRGPAL EDCDAQDEHCRSTKRAI  
 EPCLPRTSSVGPAGAGSVMGCTEARRRCDRDRS RCLALSRYLAYCGKLFNGLRCTDECR AVIDMLAVP  
 KAALLNDCVCDGLERPICESVKENMARL CF GPDASNGPGSSGSDGGLDDYYDEEYDDEQRAGAAGGEQPL  
 DDDDGLARPGGAAAAGGRGDLPHGPGRRSSSSSGSGGHWANRS AWTPFACLLLLLLLLLLGSHL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC058628

**ORF Size:** 1029 bp

**OTI Disclaimer:** 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](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [BC058628.1](#)

**RefSeq Size:** 2791 bp

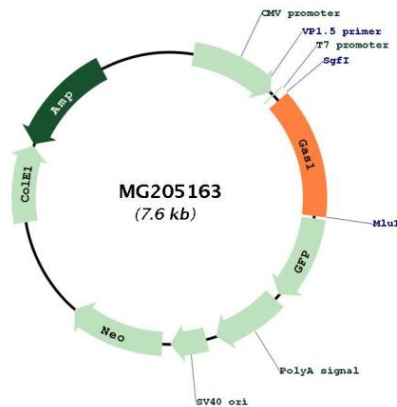
**RefSeq ORF:** 1031 bp

**Locus ID:** 14451

**Cytogenetics:** 13 31.92 cM

**Gene Summary:** Specific growth arrest protein involved in growth suppression. Blocks entry to S phase. Prevents cycling of normal and transformed cells.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG205163