

Product datasheet for MR205163

Gas1 (BC058628) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gas1 (BC058628) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gas1
Synonyms:	AW554192; Gas-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205163 representing BC058628 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTAGCCGCGTCTGGGCGGCGCCGGGCCCCGCACGGGGACCTTGCCGGGCGCCTTGTGTGCCTGA
TGGCGTCTGTCAGTGTGCTCGGCACCGCGGGCTCGGGGTAGCGCACGGCCGCCCTCATCTG
CTGGCAGGCGTCTGTCAGTGTGTCAGGGCGAGCCGACTGCAGCTACGCCTACAGCCAGTACGCCGAGGCT
TGTGCGCCGGTGTAGCGCAGCGCGCGGGGCTGATGCTCGGGGCCCGCGCGCCTCCCCGCTCGG
CCGCGTCTCGCGCGCTGGCGTGCCTGAGCCACTGCATCTCGGCGTTATCCAGCTCAACCACACGCG
CCGCGGGCCCGCTGGAGGACTGCGACTGCGCGCAGGACGAACACTGCAGGTCCACCAAGCGCGCCATC
GAGCCCTGTCTGCCGCGCACCAGCAGCGTGGGCCCGGGCGGGAGCGGGCTCGGTTCATGGGCTGCACTG
AGGCCCGGCGGCGTGCAGCCGGACAGCCGCTGCAACCTGGCGCTCAGCCGCTACCTGGCCTACTGCGG
CAAGCTTTTCAACGGGCTGCGTGCACAGACGAGTGCAGCGCGGTTCATCGAGGACATGCTGGCCGTGCC
AAGGCGGCGTGTCAACGACTGCGTGTGCGATGGGCTGGAGCGGCCATCTGCGAATCGGTCAAAGAGA
ACATGGCCCGCTGTGCTTCGGCCAGATGCGAGCAACGGTCCGGGCAGCAGCGGCTCGGACGGGGGCT
GGACGACTACTACGACGAAGAATATGACGACGAGCAGCGCGTGGGGCCCGGGCGGCGAGCAACCCCTG
GACGACGACGCGCTTGCAGCGCCGGCGGGCGGCGTCTGCGCGGGCGGGCGGAGACTTGCCCC
ACGGTCCCGGGCGAGGAGCAGCAGCAGCGGCAGTGGAGGCCACTGGGCGAATCGAAGCGCTGGACCC
GTTTGCCTGTTGCTGCTGCTGTTGCTCCTGCTGCTCGGGTCACACTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR205163 representing BC058628
Red=Cloning site Green=Tags(s)

MLAALLGGAGARTGTLPGALLCLMALLQLLCSAPRGSGLAHGRRLICWQALLQCQGEPCSYAYSQYAEA
 CAPVLAQRGGADAPGPAGAFPASAASSPRWRCPSHCISALIQLNHTRRGPALDCCDAQDEHCRSTKRAI
 EPCLPRTSSVGPAGAGAGSVMGCTEARRRCDDSRNLALSRYLAYCGKLFNGLRCTDEGRAVIEDMLAVP
 KAALLNDCVCDGLERPICESVKENMARLFCGPDASNGPGSSGSDGGLDDYYDEEYDDEQRAGAAGGEQPL
 DDDDGLARPGGAAAAGGRGDLPHGPGRRSSSSSGSGGHWANRSWTPFACLLLLLLLLLLGSHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9035_g02.zip

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

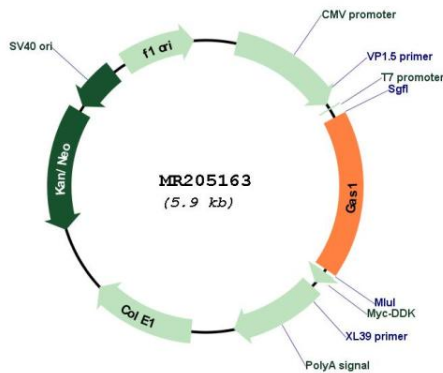
Locus ID: 14451

Cytogenetics: 13 31.92 cM

MW: 102.3 kDa

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 MR205163