

Product datasheet for **MG217242**

Gas1 (NM_008086) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gas1 (NM_008086) 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: >MG217242 representing NM_008086
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGAGGACGCCCATGCCAGAAGTGC CGGAACTCGGACAACTTTCCAGCGGCCCGCGGCCGCC
 ACCCGAGCCTCGTCTCCGCTCCGCACCGCGTCCGGCGGCCGCTGCTGCCCGGATGCTAGCCGCGTGT
 GGGCGGCCCGGGGCCGCACGGGGACCTTCCGGGCGCCTTGTGTGCCTGATGGCGTGTGCAGCTG
 CTGTGCTCGGCACCGGGGCTCGGGCTAGCGCACGGCCCGCCCTCATCTGCTGGCAGGCGTGTGC
 AGTGTGAGGGCGAGCCGACTGCAGCTACGCCACAGCCAGTACGCCGAGGCTTGTGCGCCGGTGTAGC
 GCAGCGCGGGGGCTGATGCTCCGGGGCCCGCGGCCCTTCCCGCCTCGGCCGCTCCTCGCCGCGC
 TGGCGCTGCCCGAGCCTGCATCTCGGCGCTTATCCAGCTCAACCACACGCGCCGCGGGCCCGCGTGG
 AGGACTGCGACTGCGCGCAGGACGAACACTGCAGGTCCACCAAGCGGCCATCGAGCCCTGTCTGCCGCG
 CACCAGCAGCGTGGGCCCGGGCGGGAGCGGGCTCGGTGATGGGCTGCACTGAGGCCCGGGCGGCTGC
 GACCGGGACAGCCGCTGCAACCTGGCGCTCAGCCGCTACCTGGCTACTGCGGCAAGCTTTTCAACGGGC
 TGGCGTGCACAGACGAGTGCCGCGGTCATCGAGGACATGCTGGCCGTGCCAAGGCGGGCGTGTCAA
 CGACTGCGTGTGCGATGGGCTGGAGCGGCCATCTGCGAATCGGTCAAAGAGAACATGGCCCGCTGTGC
 AAGAATATGACGACGAGCAGCGCTGGGGCCGCGGGCGGCGAGCAACCCTGGACGACGACGAGCGCCT
 TGGCGCCCGGGCGGGCGGCTGCTGCGCGGGCGGCCGCGGAGACTTGGCCACGGTCCCGGGCGCAGG
 AGCAGCAGCAGCGGAGTGGAGGCCACTGGGCGAATCGAAGCGCCTGGACCCCGTTGCTGTTGCTGC
 TGCTGTTGCTCCTGCTGCTCGGGTCACACTTG

ACCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG217242 representing NM_008086
 Red=Cloning site Green=Tags(s)

MDEDAHARSARNSDKLFQRPRGRHPSLVSAPHRVRRPLLPAMLAALLGGAGARTGTLPGALLCLMALLQL
 LCSAPRGSGLAHGRRRLICWQALLQCQGEPCSYAYSQYAEACAPVLAQRGGADAPGPAGAFPASAASSPR
 WRCPSHCISALIQLNHTRRGPALDCCDAQDEHCRSTKRAIEPCLPRTSSVGPAGAGSVMGCTEARRRC
 DRDSRCNLALSRYLAYCGKLFNGLRCTDEGRAVIEDMLAVPKAALLNDCVCDGLERPICESYKENMARLC
 FGPDASNGPGSSGSDGGLDDYYDEEYDDEQRAGAAGGEQPLDDDDGLARPGGGAAAAGGRGDLPHGPGR
 SSSSGSGHWNANRSWTPFAACLLLLLLLLLGSHL

TRTRPLE - GFP Tag - V

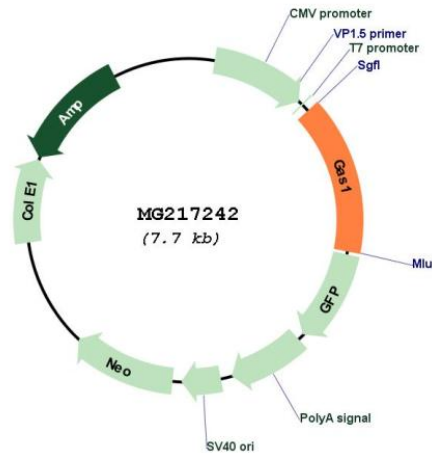
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_008086

| | |
|-------------------------------|---|
| ORF Size: | 1152 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: | <ol style="list-style-type: none">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_008086.2 , NP_032112.1 |
| RefSeq Size: | 3149 bp |
| RefSeq ORF: | 1155 bp |
| Locus ID: | 14451 |
| UniProt ID: | Q01721 |
| 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] |