

Product datasheet for MR217242

Gas1 (NM_008086) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Gas1 (NM_008086) 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: >MR217242 representing NM_008086
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGATGAGGACGCCCATGCCAGAAGTGC CGGAACTCGGACAACTTTCCAGCGGCCCGCGGCCGCC
 ACCCGAGCCTCGTCTCCGCTCCGCACCGCGTCCGGCGGCCGCTGCTGCCCGGATGCTAGCCGCGTGT
 GGGCGGCCCGGGCCCGCACGGGGACCTGCCGGCGCCTTGTGTGCCTGATGGCGTGTGCAGCTG
 CTGTGCTCGGCACCGGGGCTCGGGGTAGCGCACGGCCGCCCTCATCTGCTGGCAGGCGTGTGC
 AGTGTGAGGGCGAGCCGACTGCAGCTACGCCTACAGCCAGTACGCCGAGGCTTGTGCGCCGGTGTAGC
 GCAGCGCGGGGGCTGATGCTCCGGGGCCCGCGGCCCTTCCCGCCTCGGCCGCTCCTCGCCGCGC
 TGGCGCTGCCCGAGCCTGCATCTCGGCGTTATCCAGCTCAACCACACGCGCCGCGGGCCCGCGCTGG
 AGGACTGCGACTGCGCGCAGGACGAACACTGCAGGTCCACCAAGCGGCCATCGAGCCCTGTCTGCCGCG
 CACCAGCAGCGTGGGCCCGGGCGGGAGCGGGCTCGGTGATGGGCTGCACTGAGGCCCGGGCGGCTGC
 GACCGGGACAGCCGCTGCAACCTGGCGCTCAGCCGCTACCTGGCCTACTGCGGCAAGCTTTTCAACGGGC
 TGGCGTGCACAGACGAGTGCCGCGCGTTCGAGGACATGCTGGCCGTGCCAAGGCGGGCGTGTCAA
 CGACTGCGTGTGCGATGGGCTGGAGCGGCCATCTGCGAATCGGTCAAAGAGAACATGGCCCGCTGTGC
 AACGAATGACGACGAGCAGCGCTGGGGCCCGGGCGGCGAGCAACCCTGGACGACGACGACCGGCT
 TGGCGCCCGGGCGGGCGGCTGCTGCGCGGGCGGCCGCGGAGACTTGGCCACGGTCCCGGGCGCAGG
 AGCAGCAGCAGCGGAGTGGAGGCCACTGGGCGAATCGAAGCGCCTGGACCCCGTTGCTGTTGCTGC
 TGCTGTTGCTCCTGCTGCTCGGGTACACTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR217242 representing NM_008086
Red=Cloning site Green=Tags(s)

MDEDAHARSARNSDKLFQRPRGRHPSLVSAPHRVRRPLLPAMLAALLGGAGARTGLPGALLCLMALLQL
 LCSAPRGSGLAHGRRLICWQALLQCQGEPCSYAYSQYAEACAPVLAQRGGADAPGPAGAFPASAASSPR
 WRCPSHCISAL IQLNHTRRGPAL EDCDCAQDEHCRSTKRAIEPCLPRTSSVGPAGAGSVMGCTEARRRC
 DRDSRCNLALSRYLAYCGKLFNGLRCTDECAVIEDMLAVPKAALLNDCVCDGLERPICESYKENMARLC
 FGPDASNGPGSSGSDGGLDDYYDEEYDDEQRAGAAGGEQPLDDDDGLARPGGGAAAAGGRGDLPHGPGRR
 SSSSGSGGHWANRSAWTPFACLLLLLLLLLLGSHL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1175_h10.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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:

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

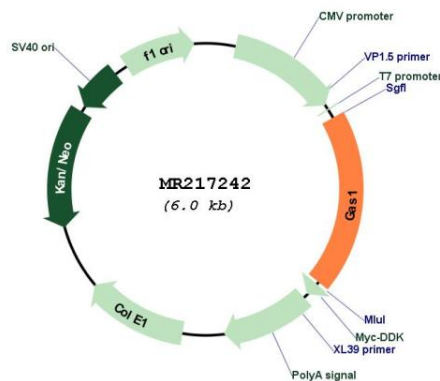
UniProt ID: [Q01721](#)

Cytogenetics: 13 31.92 cM

MW: 40.8 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 MR217242