

Product datasheet for **MR220917**

Gas7 (NM_008088) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gas7 (NM_008088) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gas7
Synonyms:	AW124766; B230343A10Rik; Gas7-cb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR220917 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAACGGCACTTCAGAAGCCTGGGATGGTCCCCCTCGCCAGGAGAGGAGACCCAGACGGTCAATCC
 TTCACCCCGGCTGGCACAGCTACTTGTCTCCTCAGGGCCGCCGTTACTATGTCAACACGACTACCAATGA
 GACCACCTGGGAACGTCCAGCAGTTCTCTGGGATTTTCAGCCAGCCCTGGCCCTCACAGGAGCTCTTTG
 CCTACAACAGTGAATGGATACCACGCATCAGGGACCCCGCGCACCCCTCCAGAGACTGCCACATGAGTC
 TCCGAAAAATCCACCGGTATTCCAGAACCTGGGATCCTCATCGCCAGGCAGGAAACAGAGCAAGGAAAA
 CACCATTACCATCAACTGTGTGACATTCCTCACCCGGACACGATGCCTGAGCAACAGCTGCTCAAGCCC
 ACCGAGTGGAGCTACTGTGACTACTTTGGGCGGACAAGAAGGACCCACAAGGCAATGGCACGGTGGCTG
 GCTTTGAACTGCTGCTGCAGAAGCAACTGAAAGGCAAGCAGATGCAGAAGGAGATGTCGAGTTCATCCG
 GAAAGGATAAAGATTGAAGAAGATATGCAAAGAACCTGGCTAAGCTCTCTCAGAACTCCTTGGCTGCC
 CAGGAGGAAGGCTCCTTGGGAGAGGCATGGGCCAAAGTAAAGAAGAGCCTGGCAGATGAGGCTGAAGTTC
 ATCTCAAGTTCTCTGCCAAGCTCCACAGCGAGGTGGAGAAACCCCTGATGAACCTCAGAGAGAACTTCAA
 GAAAGACATGAAAAAGTGCACCACCATCGCTGACCTCCGTAAGCAGCTGGCGAGCCGCTATGCCTCA
 GTGGAGAAGGCCCGCAAAGCCCTCACAGAGCGGCAGAAAGACCTGGAGATGAAGACCCAGCAGCTGGAGA
 TCAAGTTGAGCAACAAGACCGAGGAGGACATCAAGAAGGCACGGAGGAAGTCCACTCAGGCCGGAGATGA
 CCTCATGCGCTGTGTGGACCTCTACAACCAGGCCAGTCCAAGTGGTTTGAAGAGATGGTGACGACCACA
 CTGGAACCTGGAGCGGCTGGAGGTGGAGAGGGTGGAAATGATCCGACAACATCTGTGCCAGTACACACAGC
 TCGCGCACGAGACGGACATGTTCAACCAAAGCACAGTCGAGCCTGTGGACCAACTGCTGCGAAAAAGTGA
 CCAGCCAAAGACAGAGAGCTATGGGTGAGAGACAAAAACAGGCAACATCCGCCAGTGGACATGGAG
 ATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR220917 protein sequence
 Red=Cloning site Green=Tags(s)

MATALQKPGMVPPPPGEEESQTVILPPGWHSYLSPOGRRYYVNTTNETTWERPSSSPGISASPGPHRSSL
 PTTVNGYHASGTPAHPPEAHMSLRKSTGDSQNLGSSSPGRKQSKENTITINCVTFPHPDMPPEQQLKP
 TEWSYCDYFWADKKDPQNGTVAGFELLLQKQLKGMQKEMSEFIRERIKIEEYAKNLAKLSQNSLAA
 QEEGSLGEAWAQVKKSLADEAEVHLKFSAKLHSEVEKPLMNFRENFKKDMKKCDHHIADLRKQLASRYAS
 VEKARKALTERQKDLQEMKTQLEIKLSNKTEEDIKKARRKSTQAGDDLRCVDLYNQAQSKWFEEVMTT
 LELERLEVERVEMIRQHLQYTLRHLRHETDMFNQSTVEPVDQLLRKVDPAKDRELWVREHKTNIRPVDME
 I

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_008088

ORF Size: 1266 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_008088.1](#), [NM_008088.2](#), [NM_008088.3](#), [NM_008088.4](#), [NM_008088.5](#), [NP_032114.2](#)

RefSeq Size: 6911 bp

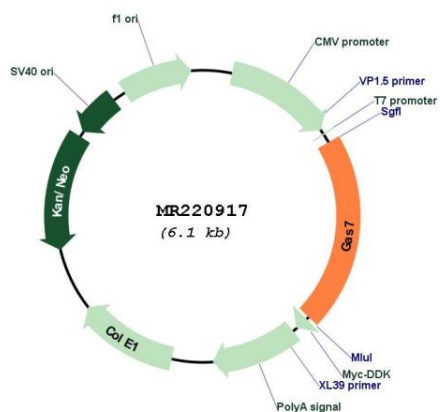
RefSeq ORF: 1266 bp

Locus ID: 14457

Cytogenetics: 11 B3

MW: 48.2 kDa

Product images:



Circular map for MR220917