

Product datasheet for **MG220917**

Gas7 (NM_008088) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gas7 (NM_008088) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gas7
Synonyms:	AW124766; B230343A10Rik; Gas7-cb
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG220917 representing NM_008088 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAACGGCACTTCAGAAGCCTGGGATGGTCCCCCTCCGCCAGGAGAGGAGGCCAGACGGTCATCC
TTCCACCCGGCTGGCACAGCTACTTGTCTCCTCAGGGCCGCCGTTACTATGTCAACACGACTACCAATGA
GACCACCTGGGAACGTCCAGCAGTTCTCCTGGGATTTCCAGCCAGCCCTGGCCCTCACAGGAGCTTTTG
CCTACAACAGTGAATGGATACCACGCATCAGGGACCCCGGCACCCCTCCAGAGACTGCCACATGAGTC
TCCGAAAATCCACCGGTATTCCAGAACCTGGGATCCTCATCGCCAGGCAGGAAACAGAGCAAGGAAAA
CACCATTACCATCAACTGTGTGACATTCCTCACCCGGACACGATGCCTGAGCAACAGCTGCTCAAGCCC
ACCGAGTGGAGCTACTGTGACTACTTTGGGCGGACAAGAAGGACCCACAAGGCAATGGCACGGTGGCTG
GCTTTGAACTGCTGCTGCAGAAGCAACTGAAAGGCAAGCAGATGCAGAAGGAGATGTCCGAGTTCATCCG
GGAAAGGATAAAGATTGAAGAAGAATA TGCAAAGAACCTGGCTAAGCTCTCTCAGAACTCCTTGGCTGCC
CAGGAGGAAGGCTCCTTGGGAGAGGCATGGGCCAAGTAAAGAAGAGCCTGGCAGATGAGGCTGAAGTTC
ATCTCAAGTCTCTGCCAAGCTCCACAGCGAGGTGGAGAAACCCCTGATGAACTTCAGAGAGAACCTCAA
GAAAGACATGAAAAGTGCAGCCACCACATCGCTGACCTCCGTAAGCAGCTGGCGAGCCGCTATGCCTCA
GTGGAGAAGGCCGCAAAGCCCTCACAGAGCGGCAGAAAGACCTGGAGATGAAGACCCAGCAGCTGGAGA
TCAAGTTGAGCAACAAGACCGAGGAGGACATCAAGAAGGCACGGAGGAAGTCCACTCAGGCCGAGATGA
CCTCATGCCTGTGTGGACCTCTACAACCAGGCCAGTCCAAGTGGTTTGAAGAGATGGTGACGACCACA
CTGAACTGGAGCGGCTGGAGGTGGAGAGGGTGGAAATGATCCGACAACATCTGTGCCAGTACACACAGC
TGCGGCACGAGACGGACATGTTCAACCAAGCACAGTCGAGCCTGTGGACCAACTGCTGCGAAAAGTGG
CCCAGCCAAAGACAGAGAGCTATGGGTCAGAGAGCACAAAACAGGCAACATCCGCCCACTGGACATGGAG
ATC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG220917 representing NM_008088
 Red=Cloning site Green=Tags(s)

MATALQKPGMVPPPPGEEESQTVILPPGWHSYLS PQGRYYVNTTTNETTWERPSSSPGISASPGPHRSSL
 PTTVNGYHASGTPAHPPEAHMSLRKSTGDSQNLGSSSPGRKQSKENTITINCVTFPHPDTMPEQQLLP
 TEWSYCDYFWADKKDPQNGTVAGFELLLQKQLKQKQMQKEMSEFIRERIKIEEYAKNLAKLSQNSLAA
 QEEGSLGEAWAQVKKSLADEAEVHLKFS AKLHSEVEKPLMNFRENFKKDMKKCDHHIADLRKQLASRYAS
 VEKARKALTERQKDLKEMKTQQLLEIKLSNKTEEDIKKARRKSTQAGDDLRCVDLYNQAQSKWFEEMVTTT
 LELERLEVERVEMIRQHLCCQYTLRHETDMFNQSTVEPVDQLLRKVDPAKDRELWVREHKGTGNIRPVDME
 I

TRTRPLE - GFP Tag - V

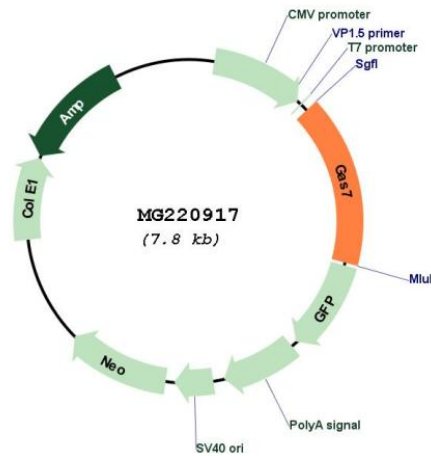
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_008088

ORF Size:	1263 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_008088.4 , NP_032114.2
RefSeq Size:	6954 bp
RefSeq ORF:	1266 bp
Locus ID:	14457
Cytogenetics:	11 B3