

Product datasheet for **MG221789**

Gas2l1 (NM_144560) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gas2l1 (NM_144560) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Gas2l1
Synonyms:	4930500E24Rik; D0Jmb1; Gar22; TU-71.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>MG221789 representing NM_144560
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCGAACCAGTGGCGGCATCGCAGGCTCTGCCGCAAGAGTGTGCGACCC TTCGATCCAGTGAGG
CCTATGTGGAAGCCATGAAGGAAGACCTGGCCGATTGGCTCAATGCTTTGTACAGTCTAGGTCTCCCGG
CAGTGGCGATGGCTTCTCACGGGGCTGGCCACAGGCACAACCCTGTGCCAACATGCCAACGCTGTCACC
GAGGCTGCCCGGGCTCTGGCTGCTGCCCGTCCAACCCGAGGTGTGGCCTTCCAGGCACACAGTGTGGCGC
CTGGCTCCTTCATGGCCCAGACAACGTGGCCTTTTCATCGGCTGGTGGCGGGCTGAGCTGGGCGTGCC
TGAAGTGTCTATGTTGAGACAGAGGACCTGGTGTACGCAAGAACGAGAAGAGTGTGGTGTCTGCCTG
CTGGAGGTGCGCCGGCGTGGGGCGGCCTTGGCCTGCTTGCCCGAGGCTGGTACAGTTCGAGCAGGAGA
TCGAGCGGGAGCTTCGAGCTACCCCTCAGGTTTCCAGCGTCCCTGCTGCTGAAGAGGATGCTACTGAAAT
TGCCACTGTACCAGGGGTTCCACCCGACACCCCGCATGACGCCAATGACCTTCGAAACCTTGATGAG
CTGGTAAGGGAGATCCTAGGCAGGTGCACCTGCCCGACCAAGTTCCCATGATCAAGGTCTCCGAGGGGA
AGTACCGAGTGGGAGACTCCAGCTTGTCTATCTTCGTGAGGGTGTGAGGAGTACGTGATGGTGGCAGT
GGGGGGCGGCTGGGACACACTGGAGCACTACCTAGACAAGCATGACCCCTTGTGCTGCTCGTCTTCTACG
CACCGTGTGCCAGCAGAGGACCGGGACTTTCTCCCGCAGAGGGGATCACCCACTCTAGCCCCCGCC
CCGGTAGCCAGTCCCTGGGAGTGAAGCGAGGAGCTCCCGGCCGAAAGTAACCCCATCAGCCTGCGAGG
CACAAAGGAGGGGCTGAGACCCGCTCAGGCCCGCGATCAGCTGCCCCCTTCCCGCTCCCGCCG
TACTCTGGGACAGTACTCCTCAGCCTCTCTGCTCAGAGCGGCCCATGGGTGCCCGCAGCGACGATT
CAGCCACTGGCTCCCGGAGGGAGCGGCCAGCCACCGCCGACCTCTGTCTTCCGGCTCCCGGAGACG
GCCGACCGCGCCTCGCAGCCAGTCTCGAGACCGGCTGGACCGGGGACGGCCCCGGTGGCCCCAGGAGGC
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CACAGCAGGAGCAGCAGCTGTTCAAGGCGCTGGAAGAGGAATTCTTAGCCAATGCCCGCCTTGGAGGC
TGCTGCCAGCCATACCCCATGGGATCTGCCCTGACCTCCAGCTCCGACTCTGCTTACTGTTTATCC
AGCTCCTCGTCTTCATCACTCAGTGTCTGGGTGGCAAATGTGGCCAACCTGGGAGTCAAGCCGCACAG
CCAATGGGCTGCCTGGGCCCCGAGCCAAGCTCTGTCCAGTCTTCCGATGAGGGCAGCCCTACCTTGC
TGTAGGAGGGGACTGGATGCAACCAGGAGCTTTGGCTGGCCAGAACCCTCACTGACCTGGGCAAGG
GGGCGGATGGACACACAACCAGACCGTAAACCCTCACGCATACCGACACCTCGGGGACCCCGCCGCCAT
CGGGACCCATAGAACTCGGGGCTTGGCATGCCAGCATTCCGTCACCCCAAGGACCGAGCCAGATTCTTC
GATG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG221789 representing NM_144560
 Red=Cloning site Green=Tags(s)

MANPVAGIAGSAAKSVRPFSSSEAYVEAMKEDLADWLNALYSGLPGSGDGF LTGLATGTTLCQHNAV T
 EAARALAAARPTRGVAFQAHSVAPGSMARDNVASF IGWCRAELGVPEVLMFETEDLVLRKNEKSVVLC L
 LEVARRGARLGLLAPRLVQFEQEIERELRATPQVSSVPAAEEDVTEIATVPGVPTRTPRMPNDLRNLDE
 LVREILGRCTCPDQFPMIKVSEKRYRVDSSLLIFVRVLRSHVMVRVGGGWD TLEHYLDKHDPCCRSSST
 HRLPQQRTGTFSPQRGSPTPSPRPGSPVPGSERSSRPEVTPISLRGTKEGPETPLRPRDQLPPLPRSR R
 YSGDSDSSASSAQSGPMGARSDDSATGSRREPRSHRPTSCLPASRRPTAPRSQSRDRLDRGRPRVAPGG
 RGAQLSTSSPARTRRSQSREEQAVLMVRRDRDQHSWVARGRGGGGSGGSRSTPQTPRALSPAAPRPSR
 GPSPGPELAATPASI FRTPQLDPQQEQQLFRRLEEEFLANARALEAAASHTPMGSAPDPPAPDSAYCSS
 SSSSSLSVLGGKCGQPGESGR TANGLPGRSQALSSSSDEGSPYLAVGGALDATRSSLAGPEPSL TWAR
 GRMDTQPDRKPSRIPTPRGPRRPSGPIELGAWHAQHSVTPRTEPDSSM

TRTRPLE - GFP Tag - V

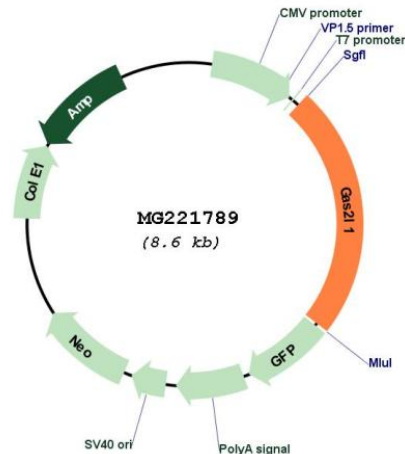
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_144560

ORF Size: 2034 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_144560.3](#), [NP_653146.1](#)

RefSeq Size: 2858 bp

RefSeq ORF: 2037 bp

Locus ID: 78926

UniProt ID: [Q8JZP9](#)

Cytogenetics: 11 A1

Gene Summary: This gene encodes a member of the Gas2 family, actin-associated proteins expressed at high levels in growth-arrested cells. The gene expression is negatively regulated by serum and growth factors. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2010]