

Product datasheet for **MG221791**

Gas2l1 (NM_001190406) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gas2l1 (NM_001190406) 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)
ORF Nucleotide Sequence: >MG221791 representing NM_001190406
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAACCCAGTGGCGGGCATCGCAGGCTCTGCCGCAAGAGTGTGCGACCCTCCGATCCAGTGAGG
CCTATGTGGAAGCCATGAAGGAAGACCTGGCCGATTGGCTCAATGCTTTGTACAGTCTAGGTCTCCCCGG
CAGTGGCGATGGCTTCTCACGGGGCTGGCCACAGGCACAACCCTGTGCCAACATGCCAACGCTGTCAAC
GAGGCTGCCCGGGCTCTGGCTGCTGCCCGTCCAACCCGAGGTGTGGCCTCCAGGCACACAGTGTGGCGC
CTGGCTCCTTCATGGCCCGAGACAACGTGGCCTTTTCATCGGCTGGTGGCGGGCTGAGCTGGGCGTGCC
TGAAGTGCTCATGTTGAGACAGAGGACCTGGTGTACGCAAGAACGAGAAGAGTGTGGTGTCTGCCTG
CTGGAGGTCGCCCCGGCGTGGGGCGGCCTTGGCCTGCTTCCCCGAGGCTGGTACAGTTCGAGCAGGAGA
TCGAGCGGGAGCTTCGAGCTACCCCTCAGGTTTCCAGCGTCCCTGCTGCTGAAGAGGATGTCACTGAAAT
TGCCACTGTACCAGGGGTTCCACCCGCACACCCCGCATGACGCCCAATGACCTTCGAAACCTTGATGAG
CTGTAAGGGAGATCCTAGGCAGGTGCACCTGCCCGACCAAGTTCCCATGATCAAGGTCTCCGAGGGGA
AGTACCGAGTGGGAGACTCCAGCTTGTCTCATCTTCGTGAGGCGCACCGTCTGCCCGAGCAGAGGACCGGG
ACTTTCTCCCCGAGAGGGGATCACCCACTCTAGCCCCCGCCCCGGTAGCCAGTCCCTGGGAGTGAGC
GCAGGAGCTCCCGCCCAAG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG221791 representing NM_001190406
 Red=Cloning site Green=Tags(s)

MANPVAGIAGSAAKSVRPFSSSEAYVEAMKEDLADWLNALYSLGLPGSGDGF LTGLATGTTLCQHANA VT
 EAARALAAARPTRGVAFQAHSVAPGSMARDNVASF IGWCRAELGVPEVLMFETEDLVLRKNEKSVVLC L
 LEVARRGARLGLLAPRLVQFEQEIERELRATPQVSSVPAEEVDTEIATVPGVPTRTPRMTPNDLRNLDE
 LVREILGRCTCPDQFPMIKVSEGKYRVGDSLLIFVRRTVCP SRGPGLSPRRGDHPLLAPAPVAQSLGVS
 AGAPGPK

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001190406

ORF Size: 861 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_001190406.1](#), [NP_001177335.1](#)

RefSeq Size: 3631 bp

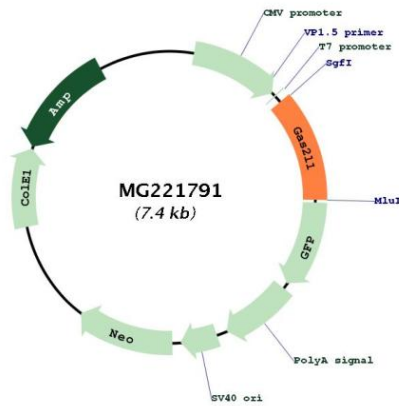
RefSeq ORF: 864 bp

Locus ID: 78926

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]

Product images:



Circular map for MG221791