

## Product datasheet for **MG221790**

### Gas2l1 (NM\_030228) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Gas2l1 (NM\_030228) 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:** >MG221790 representing NM\_030228  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCGAACCCAGTGGCGGGCATCGCAGGCTCTGCCGCCAAGAGTGTGCGACCCTCCGATCCAGTGAGG  
 CCTATGTGGAAGCCATGAAGGAAGACCTGGCCGATTGGCTCAATGCTTTGTACAGTCTAGGTCTCCCCGG  
 CAGTGGCGATGGCTTCTCACGGGGCTGGCCACAGGCACAACCCTGTGCCAACATGCCAACGCTGTACCC  
 GAGGCTGCCCGGGCTCTGGCTGCTGCCCGTCCAACCCGAGGTGTGGCCTCCAGGCACACAGTGTGGCGC  
 CTGGCTCCTTCATGGCCCGAGACAACGTGGCCTTTTCATCGGCTGGTGGCGGGCTGAGCTGGGCGTGCC  
 TGAAGTGCTCATGTTGAGACAGAGGACCTGGTGTACGCAAGAACGAGAAGAGTGTGGTGTCTGCCTG  
 CTGGAGGTCGCCCCGGCGTGGGGCGCGCCTTGGCCTGCTTGCCCCGAGGCTGGTACAGTTCGAGCAGGAGA  
 TCGAGCGGGAGCTTCGAGCTACCCCTCAGGTTTCCAGCGTCCCTGCTGTGAAGAGGATGTCACTGAAAT  
 TGCCACTGTACCAGGGGTTCCACCCGCACACCCCGCATGACGCCCAATGACCTTCGAAACCTTGATGAG  
 CTGTAAGGGAGATCCTAGGCAGGTGCACCTGCCCGACCAAGTTTCCATGATCAAGGTCTCCGAGGGGA  
 AGTACCGAGTGGGAGACTCCAGCTTGTCTCATCTTCGTGAGGGTGTGAGGAGTACAGTGTGGTGGCAGT  
 GGGGGCGGGCTGGGACACACTGGAGCACTACCTAGACAAGCATGACCCTTGTGCTGCTCGTCTTCTACG  
 CACCGTCTGCCCCAGCAGAGGACCGGACTTTCTCCCCGAGAGGGGATCACCCACTCTAGCCCCCGCC  
 CCGGTAGCCCAAGTCCCTGGGAGTGAGCGCAGGAGCTCCCGGCCGAAGTAACCCCATCAGCCTGCGGAG  
 CACAAAGGAGGGGCTGAGACCCCGCTCAGGTTTCCAGGCTTCTGGGGTTTG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



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**Protein Sequence:** >MG221790 representing NM\_030228  
Red=Cloning site Green=Tags(s)

MANPVAGIAGSAAKSVRPFSSSEAYVEAMKEDLADWLNALYSLGLPGSGDGF LTGLATGTTLCQHANA VT  
 EAARALAAARPTRGVAFQAHSVAPGSMARDNVASF IGWCRAELGVPEVLMFETEDLVLRKNEKSVVLC L  
 LEVARRGARLGLLAPRLVQFEQEIERELRATPQVSSVPAEEEDVTEIATVPGVPTRTPRMTPNDLRNLDE  
 LVREILGRCTCPDQFPMIKVSEGGKYRVGDSLLIFVRVLRSHVMVRVGGGWD TLEHYLDKHDP CRCSST  
 HRLPQQRGTGTFSPQRGSPTSPRPGSPVPGSERRSSRPEVTPISLRGTKEGPETPLRFPGFWGL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_030228

**ORF Size:** 1032 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\\_030228.3](#), [NP\\_084504.2](#)

**RefSeq Size:** 3986 bp

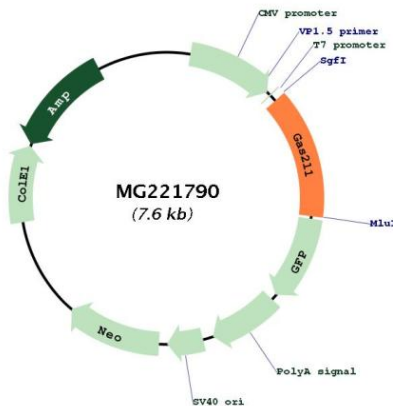
**RefSeq ORF:** 1035 bp

**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 MG221790