

Product datasheet for MR221791

Gas2l1 (NM_001190406) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gas2l1 (NM_001190406) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gas2l1
Synonyms:	4930500E24Rik; D0Jmb1; Gar22; TU-71.1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221791 representing NM_001190406 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGAACCCAGTGGCGGGCATCGCAGGCTCTGCCGCAAGAGTGTGCGACCCTCCGATCCAGTGAGG
CCTATGTGGAAGCCATGAAGGAAGACCTGGCCGATTGGCTCAATGCTTTGTACAGTCTAGGTCTCCCCGG
CAGTGGCGATGGCTTCTCACGGGGCTGGCCACAGGCACAACCCTGTGCCAACATGCCAACGCTGTCAAC
GAGGCTGCCCGGGCTCTGGCTGTGCCCGTCCAACCCGAGGTGTGGCCTCCAGGCACACAGTGTGGCGC
CTGGCTCCTTCATGGCCCGAGACAACGTGGCCTTTTCATCGGCTGGTGGCGGGCTGAGCTGGGCGTGCC
TGAAGTGTCTATGTTGAGACAGAGGACCTGGTGTACGCAAGAACGAGAAGAGTGTGGTGTCTGCCTG
CTGGAGGTCGCCCCGGCGTGGGGCGGCCTTGGCCTGCTTCCCCGAGGCTGGTACAGTTCGAGCAGGAGA
TCGAGCGGGAGCTTCGAGCTACCCCTCAGGTTTCCAGCGTCCCTGCTGCTGAAGAGGATGTCACTGAAAT
TGCCACTGTACCAGGGGTTCCACCCGCACACCCCGCATGACGCCAATGACCTTCGAAACCTTGATGAG
CTGTAAGGGAGATCCTAGGCAGGTGCACCTGCCCCGACCAAGTTCCCATGATCAAGGTCTCCGAGGGGA
AGTACCGAGTGGGAGACTCCAGCTTGTCTCATCTTCGTGAGGCGCACCGTCTGCCCCAGCAGAGGACCGGG
ACTTTCTCCCCGAGAGGGGATCACCCACTCTAGCCCCCGCCCCGGTAGCCAGTCCCTGGGAGTGAGC
GCAGGAGCTCCCGCCCAAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221791 representing NM_001190406
Red=Cloning site Green=Tags(s)

MANPVAGIAGSAAKSVRPFSSSEAYVEAMKEDLADWLNALYSGLPGSGDGF LTGLATGTTLCQHNAV T
 EAARALAAARPTRGVAFQAHSVAPGSMARDNVASF IGWCRAELGVPEVLMFETEDLVLRKNEKSVVLC L
 LEVARRGARLGLLAPRLVQFEQEIERELRATPQVSSVPAEEEDVTEIATVPGVPTRTPRMTPNDLRNLDE
 LVREILGRCTCPDQFPMIKVSEGKYRVGDSSLLIFVRRRTVCP SRGPGLSPRRGDHPLLAPAPVAQSLGVS
 AGAPGPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

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

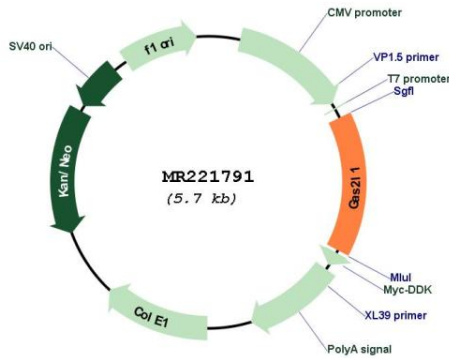
Locus ID: 78926

Cytogenetics: 11 A1

MW: 31 kDa

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 MR221791