

Product datasheet for MR221790

Gas2l1 (NM_030228) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Gas2l1 (NM_030228) 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: >MR221790 representing NM_030228
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCGAACCCAGTGGCGGGCATCGCAGGCTCTGCCGCAAGAGTGTGCGACCCTCCGATCCAGTGAGG
 CCTATGTGGAAGCCATGAAGGAAGACCTGGCCGATTGGCTCAATGCTTTGTACAGTCTAGGTCTCCCCGG
 CAGTGGCGATGGCTTCTCACGGGGCTGGCCACAGGCACAACCCTGTGCCAACATGCCAACGCTGCACC
 GAGGCTGCCCGGGCTCTGGCTGCTGCCCGTCCAACCCGAGGTGTGGCCTCCAGGCACACAGTGTGGCGC
 CTGGCTCCTTCATGGCCCAGACAACGTGGCCTTTTCATCGGCTGGTGGCGGGCTGAGCTGGGCGTGCC
 TGAAGTGCTCATGTTGAGACAGAGGACCTGGTGTACGCAAGAACGAGAAGAGTGTGGTGTCTGCCTG
 CTGGAGGTCGCCCCGGCGTGGGGCGGCCTTGGCCTGCTTGCCCCGAGGCTGGTACAGTTCGAGCAGGAGA
 TCGAGCGGGAGCTTCGAGCTACCCCTCAGGTTTCCAGCGTCCCTGCTGTGAAGAGGATGTCACTGAAAT
 TGCCACTGTACCAGGGGTTCCACCCGCACACCCCGCATGACGCCAATGACCTTCGAAACCTTGATGAG
 CTGTAAGGGAGATCCTAGGCAGGTGCACCTGCCCGACCAAGTTTCCATGATCAAGGTCTCCGAGGGGA
 AGTACCGAGTGGGAGACTCCAGCTTGTCTCATCTTCGTGAGGGTGTGAGGAGTACAGTGTGGTGGCAGT
 GGGGGCGGGCTGGGACACACTGGAGCACTACCTAGACAAGCATGACCCTGTGCTGCTCGTCTTCTACG
 CACCGTCTGCCCCAGCAGAGGACCGGACTTTCTCCCCGAGAGGGGATCACCCACTCTAGCCCCCGCC
 CCGGTAGCCCAAGTCCCTGGGAGTGAGCGCAGGAGCTCCCGGCCGAAGTAACCCCATCAGCCTGCGGAG
 CACAAAGGAGGGGCTGAGACCCGCTCAGGTTTCCAGGCTTCTGGGGTTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR221790 representing NM_030228
Red=Cloning site Green=Tags(s)

MANPVAGIAGSAAKSVRPFSSSEAYVEAMKEDLADWLNALYSLGLPGSGDGFLTGLATGTTLCQHANA
 VTEAARALAAARPTRGVAFQAHSVAPGSMARDNVASF IGWCRAELGVPEVLMFETEDLVLRKNEKSVVLC
 LEVARRGARLGLLAPRLVQFEQEIERELRATPQVSSVPAEEDVTEIATVPGVPTRTPRTPNDLRNLDE
 LVREILGRCTCPDQFPMIKVSEKGYRVGDSSLLIFVRVLRSHVMVRVGGWDTLEHYLDKHDPCRCSSST
 HRLPQQRGTGTFSPQRGSPTSPRPGSPVPGSERRSSRPEVTPISLRGTKEGPETPLRFPGFWGL

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_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

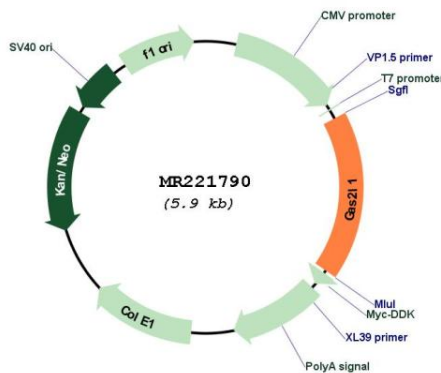
Locus ID: 78926

Cytogenetics: 11 A1

MW: 37.8 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 MR221790