

Product datasheet for **MR221789**

Gas2l1 (NM_144560) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Gas2l1 (NM_144560) 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)



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ORF Nucleotide
Sequence:

>MR221789 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGAACCCAGTGGCGGGCATCGCAGGCTCTGCCGCCAAGAGTGTGCGACCC TTCGATCCAGTGAGG
CCTATGTGGAAGCCATGAAGGAAGACCTGGCCGATTGGCTCAATGCTTTGTACAGTCTAGGTCTCCCCGG
CAGTGGCGATGGCTTCTCACGGGGCTGGCCACAGGCACAACCCTGTGCCAACATGCCAACGCTGTCACC
GAGGCTGCCCGGGCTCTGGCTGCTGCCCGTCCAACCCGAGGTGTGGCCTTCCAGGCACACAGTGTGGCGC
CTGGCTCCTTCATGGCCCAGACAACGTGGCCTTTTCATCGGCTGGTGGCGGGCTGAGCTGGGCGTGCC
TGAAGTGTCTATGTTGAGACAGAGGACCTGGTGTACGCAAGAACGAGAAGAGTGTGGTGTCTGCCTG
CTGGAGGTGCGCCGGCGTGGGGCGGCCTTGGCCTGCTTGCCCGAGGCTGGTACAGTTCGAGCAGGAGA
TCGAGCGGGAGCTTCGAGCTACCCCTCAGGTTTCCAGCGTCCCTGCTGCTGAAGAGGATGCTACTGAAAT
TGCCACTGTACCAGGGGTTCCACCCCGCACACCCCGCATGACGCCAATGACCTTCGAAACCTTGATGAG
CTGGTAAGGGAGATCCTAGGCAGGTGCACCTGCCCGACCAAGTTCCCATGATCAAGGTCTCCGAGGGGA
AGTACCGAGTGGGAGACTCCAGCTTGTCTATCTTCGTGAGGGTGTGAGGAGTACGTGATGGTGGCAGT
GGGGGGCGGCTGGGACACACTGGAGCACTACCTAGACAAGCATGACCCCTTGTGCTGCTCGTCTTCTACG
CACCGTCTGCCCCAGCAGAGGACCGGGACTTTCTCCCCGAGAGGGGATCACCCACTCTAGCCCCCGCC
CCGGTAGCCAGTCCCTGGGAGTGAGCGCAGGAGCTCCCGGCCGGAAGTAACCCCATCAGCCTGCGAGG
CACAAAGGAGGGGCTGAGACCCCGCTCAGGCCCGCGATCAGCTGCCCCCTTCCCGCTCCCGCCG
TACTCTGGGACAGTACTCCTCAGCCTCTCTGCTCAGAGCGGCCCATGGGTGCCCGCAGCGACGATT
CAGCCACTGGCTCCCGGAGGGAGCGGCCAGCCACCGGCCGACCTCTGTCTTCCGGCTCCCGCAGACG
GCCGACCGCGCTCGCAGCCAGTCTCGAGACCGCTGGACCGGGACGGCCCCGGTGGCCCCAGGAGGC
CGAGGCGCTCAGCTGTCGACCTCCAGCCAGCAAGGCGCACCCGAGCCAGAGCCGCGAGGAACAGGCGG
TACTGATGGTGGCAGGGACCGAGACGGCCAGCACTCGTGGTGGCCCGGGGAGGGGTGGCGGGGATC
AGGAGGTTCTGGGAGGAGTACCCCGCAGACTCCGCGTGCCTCAGCCCTGCAGCACCCCGGCTTCCAGG
GGCCCCAGCCCCGGCCAGAGCTGGTGGCACACCTGCCAGCATCTTCCGCACGCCCTGCAGCTTGACC
CACAGCAGGAGCAGCAGCTGTTCAAGGCGCTGGAAGAGGAATTCTTAGCCAATGCCCGCCTTGGAGGC
TGCTGCCAGCCATACCCCATGGGATCTGCCCTGACCCCTCAGCTCCGACTCTGCTTACTGTTTATCC
AGCTCCTCGTCTTCATCACTCAGTGTCTGGGTGGCAAATGTGGCAACCTGGGAGTCAAGCCGCACAG
CCAATGGGCTGCCTGGGCCCCGAGCCAAGCTCTGTCCAGTCTTCCGATGAGGGCAGCCCTACCTTGC
TGTAGGAGGGGACTGGATGCAACCAGGAGCTTTGGCTGGCCAGAACCCTCACTGACCTGGGCAAGG
GGGCGGATGGACACACAACCAGACCGTAAACCCTCACGCATACCGACACCTCGGGGACCCCGCCGCCAT
CGGGACCCATAGAACTCGGGGCTTGGCATGCCAGCATTCCGTACCCCAAGGACCGAGCCAGATTCTTC
GATG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR221789 protein sequence
Red=Cloning site Green=Tags(s)

MANPVAGIAGSAAKSVRPFSSSEAYVEAMKEDLADWLNALYSLGLPGSGDGF LTGLATGTTLCQHANA V T
 EAARALAAARPTRGVAFQAHSVAPGSMARDNVASF IGWCRAELGVPEVLMFETEDLVLRKNEKSVVLC L
 LEVARRGARLGLLAPRLVQFEQEIERELRATPQVSSVPAEEEDVTEIATVPGVPTRTPMTPNDLRNLDE
 LVREILGRCTCPDQFPMIKVSEGKYRVGDSLLIFVVRVLRSHVMVRVGGGWD TLEHYLDKHDP CRCSST
 HRLPQQRTGTFSPQRGSPTSPRPGSPVPGSERSSRPEVTPISLRGTKEGPETPLRPRDQLPPLPRSR R
 YSGDSDSSASSAQSGPMGARSDDSATGSRRE RP SHRPTSCLPASRRPTAPRSQSRDRLDRGRPRVAPGG
 RGAQLSTSSPARTRRSQSREEQAVLMVRRDRDQHSWVARGRGGGGSGGSRSTPQT PRALSPAAPRPSR
 GPSPGPELAATPASIFRTPLQLDPQQEQQLFRRLEEEFLANARALEAAASHTPMGSAPDPPAPDSAYCSS
 SSSSSSVLVGGKCGQPGESGR T ANGLPGPRSQUALSSSSDEGSPYLAVGGALDATRSSLAGPEPSL TWAR
 GRMDTQPDRKPSRIPTPRGPRRPSGPIELGAWHAQHSVTPRTEPDSSM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_144560

ORF Size: 2037 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

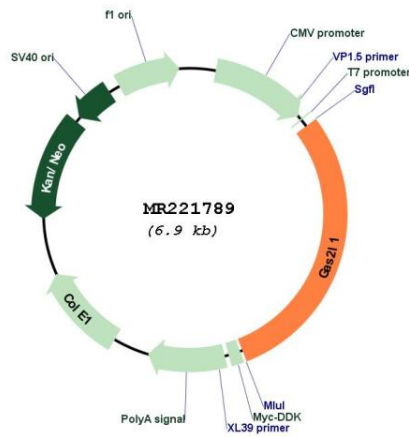
UniProt ID: [Q8JZP9](#)

Cytogenetics: 11 A1

MW: 72.4 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 MR221789