OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RC221941

GAS2L1 (NM_152237) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAS2L1 (NM_152237) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GAS2L1
Synonyms:	GAR22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>RC221941 representing NM_152237
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCAGACCCAGTGGCGGGCATCGCGGGCTCGGCGGCCAAGAGCGTGCGGCCATTTCGCTCCAGTGAGG
CCTACGTGGAGGCCATGAAGGAGGACCTGGCCGAGTGGCTCAATGCCTTGTACGGCCTGGGTCTCCCGGG
TGGTGGCGATGGCTTCCTGACAGGGCTGGCCACGGGCACGACCCTGTGCCAACATGCCAACGCCGTGACC
GAGGCTGCCCGTGCATTGGCAGCCGCCCGCCCGGCCCGAGGTGTGGCCTTCCAGGCGCACAGTGTAGTGC
CTGGCTCCTTCATGGCGCGCGACAACGTGGCCACCTTCATCGGCTGGTGCCGCGTGGAGCTGGGTGTGCC
GGAGGTGCTCATGTTTGAGACTGAGGACCTGGTGCTGCGCAAGAACGAGAAGAGCGTGGTGCTGTGCCTG
CTGGAGGTGGCGCGGCGTGGGGCACGCCTGGGCCTGCTGGCCCCACGCCTCGTGCAGTTTGAGCAGGAGA
TTGAGCGGGAGCTGCGTGCTGCACCCCCAGCCCCCAACGCCCCTGCCGCTGGGGAGGACACCACTGAAAC
CGCCCCCGCACCAGGGACTCCTGCCCGCGGCCCCCGCATGACACCCAGCGACCTGCGCAACCTCGACGAG
CTGGTGAGGGAGATTCTGGGCCGCTGCACCTGCCCTGACCAGTTTCCCATGATCAAGGTCTCAGAGGGGA
AGTACCGTGTGGGGGACTCGAGCCTGCTCATCTTTGTGCGGGTGCTGAGGAGCCACGTGATGGTGCGAGT
GGGTGGTGGCTGGGACACGCTGGAGCATTACCTGGACAAGCACGACCCGTGCCGCTGCTCCTCCACTGCT
CATCGCCCACCCCAGCCGAGGGTCTGCACCTTTTCTCCACAGAGGGTGTCGCCCACCACCAGTCCCCGCC
CTGCTAGCCCAGTCCCTGGGAGTGAGCGCCGGGGCTCCCGGCCTGAGATGACTCCCGTTAGCTTACGAAG
CACAAAGGAGGGGCCCGAGACCCCACCCAGG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

View online »

Protein Sequence:

>RC221941 representing NM_152237
Red=Cloning site Green=Tags(s)

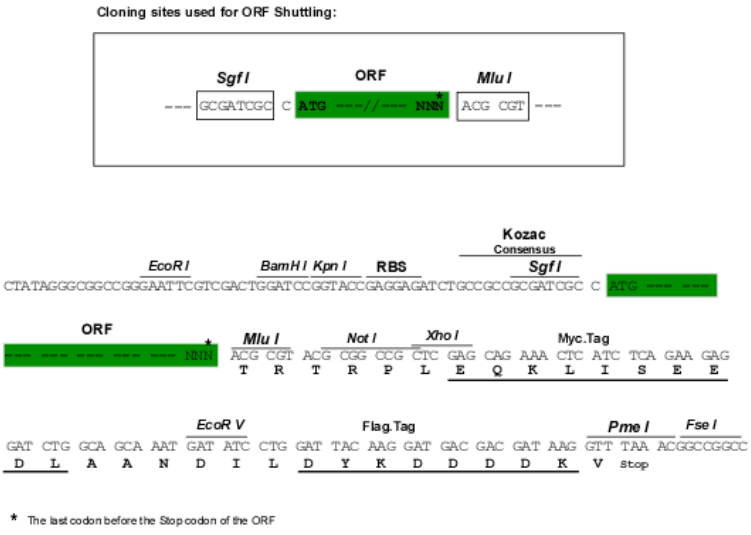
MADPVAGIAGSAAKSVRPFRSSEAYVEAMKEDLAEWLNALYGLGLPGGGDGFLTGLATGTTLCQHANAVT
EAARALAAARPARGVAFQAHSVVPGSFMARDNVATFIGWCRVELGVPEVLMFETEDLVLRKNEKSVVLCL
LEVARRGARLGLLAPRLVQFEQEIERELRAAPPAPNAPAAGEDTTETAPAPGTPARGPRMTPSDLRNLDE
LVREILGRCTCPDQFPMIKVSEGKYRVGDSSLLIFVRVLRSHVMVRVGGGWDTLEHYLDKHDPCRCSSTA
HRPPQPRVCTFSPQRVSPTTSPRPASPVPGSERRGSRPEMTPVSLRSTKEGPETPPR

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1479_d07.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_152237

ORF Size: 1011 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_152237.1, NP_689423.1

RefSeq Size: 2963 bp

RefSeq ORF: 1013 bp

Locus ID: 10634

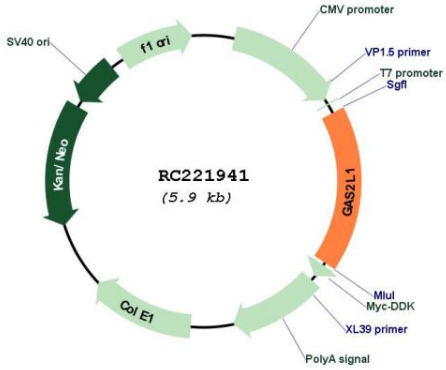
Cytogenetics: 22q12.2

Domains: CH, GAS2

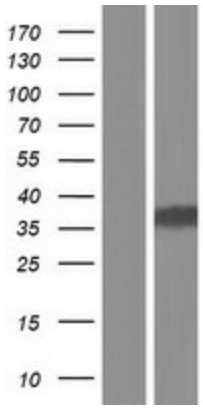
MW: 36.1 kDa

Gene Summary: This gene encodes a member of the growth arrest-specific 2 protein family. This protein binds components of the cytoskeleton and may be involved in mediating interactions between microtubules and microfilaments. This protein localizes to the proximal end of mature centrioles and links centrosomes to both microtubules and actin. Alternate splicing results in multiple transcript variants. A pseudogene of this gene is found on chromosome 9. [provided by RefSeq, May 2018]

Product images:



Circular map for RC221941



Western blot validation of overexpression lysate (Cat# [LY407672]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC221941 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).