

Product datasheet for **RC238317**

GAS2L1 (NM_001278730) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAS2L1 (NM_001278730) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GAS2L1
Synonyms:	GAR22
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RC238317 representing NM_001278730
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCAGACCCAGTGGCGGGCATCGCGGGCTCGCGGCCAAGAGCGTGGGCCATTTTCGCTCCAGTGGG
 CCTACGTGGAGGCCATGAAGGAGGACCTGGCCGAGTGGCTCAATGCCTTGTACGGCCTGGGTCTCCCGGG
 TGGTGGCGATGGCTTCTGACAGGGCTGGCCACGGGCACGACCCTGTGCCAACATGCCAACGCCGTGACC
 GAGGCTGCCCGTGCATTGGCAGCCGCCCGCCGCGCCGAGGTGTGGCCTTCCAGGCGCACAGTGTAGTGC
 CTGGCTCCTTTCATGGCGCGGACAACGTGGCCACCTTTCATCGGCTGGTGGCGGTGGAGCTGGGTGTGCC
 GGAGGTGCTCATGTTGAGACTGAGGACCTGGTGTGCGCAAGAACGAGAAGAGCGTGGTGTGTGCCTG
 CTGGAGGTGGCGGGCGTGGGACGCCTGGGCCTGTGGCCCCACGCCTCGTGCAGTTTGAGCAGGAGA
 TTGAGCGGGAGCTGCGTGTGCACCCCCAGCCCCAACGCCCTGCCGCTGGGGAGGACACCACTGAAAC
 CGCCCCGCACCGAGGACTCCTGCCCGCGCCCCCGCATGACACCCAGCGACCTGCGCAACCTCGACGAG
 CTGGTGTAGGGAGATTCTGGGCCGCTGCACCTGCCCTGACCAAGTTTCCCATGATCAAGGTCTCAGAGGGGA
 AGTACCGTGTGGGGGACTCGAGCCTGCTCATCTTTGTGCGGGTGTGAGGAGCCAGTGTGGTGGCAGT
 GGGTGGTGGTGGGACACGCTGGAGCATTACCTGGACAAGCACGACCCGTGCCGCTGCTCCTCCACTGCT
 CATCGCCACCCAGCCGAGGTCTGCACCTTTTCTCCACAGAGGGTGTGCGCCACCACTGCTCCCGCC
 CTGCTAGCCAGTCCCTGGGAGTGGCGCCGGGGCTCCCGGCCTGAGATGACTCCCGTTAGCTTACGAAG
 CACAAAGGAGGGGCGGAGACCCACCCAGTTCCTCCTTTCGTCCCTCAGCGTCTGGGTGGCAATGT
 GGCCAACTGGGACTCTGGCCGGACGGCAATGGGCTGCCTGGGCCCGAAGCCAAGCCCTTCCAGCT
 CCTCCGATGAAGGCAGCCCTGCCCTGGCATGGGGGGCCACTAGATGCACCTGGGAGCCCTGGCTTG
 CACTGAACCCCTCGAGGACCTGGGCACGGGTGCGATGGACACACAGCCAGACCGTAAACCCCTCACGTATC
 CCCACGCCTCGGGGCCCCGCGCCCTCCGGACCCGAGAGCTGGGGACATGGCATGCCCTGCACTCAG
 TCACCCGAGGGCTGAGCCAGATTCTGGATG

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238317 representing NM_001278730
 Red=Cloning site Green=Tags(s)

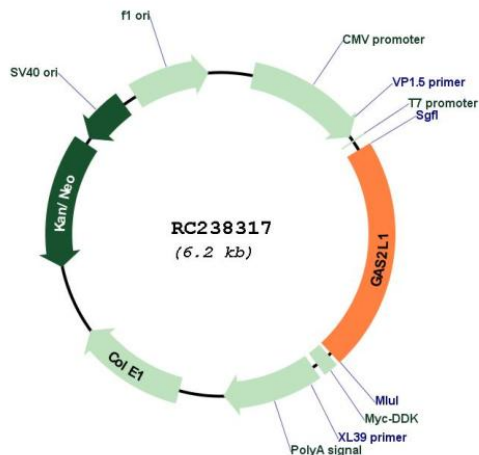
MADPVAGIAGSAAKSVRPFSSSEAYVEAMKEDLAEWLNALYGLGLPGGDGF LTGLATGTTLCQHANA VT
 EAARALAAARPARGVAFQAHSVVPGSFMARDNVATFIGWCRVELGVPEVLMFETEDLVLRKNEKSVVLC L
 LEVARRGARLGLLAPRLVQFEQEIERELRAAPPAPNAPAAGEDTTETAPAPGTPARGPRMTPSDLRNLDE
 LVREILGRCTCPDQFPMIKVSEGYRVGDSSLLIFVRVLRSHVMVRVGGWDTLEHYLDKHDPCCRSSTA
 HRPPQPRVCTFSPQRVSPPTSPRPASVPGSERGRPEMTPVSLRSTKEGPETPPSSSSSSSVLGGKC
 GQPGDSGRTANGLPGRSQALSSSDEGSPCPGMGGPLDAPGSPLACTEPSTWARGRMDTQPDRKPSRI
 PTPRGPRRPSGPAELGTWHALHSVTPRAEPDSWM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001278730

ORF Size: 1362 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_001278730.2](#)

RefSeq Size: 1835 bp

RefSeq ORF: 1365 bp

Locus ID: 10634

UniProt ID: [Q99501](#)

Cytogenetics: 22q12.2

MW: 48.7 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]