

Product datasheet for **SC324142**

GAS2L1 (NM_006478) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAS2L1 (NM_006478) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAS2L1
Synonyms:	GAR22
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_006478.3
 GGACGCATAGAGCTGCGGCTCGGGCGGCGCCTCCCTGCGGCGGCCGGCCGGCTCCGGC
 CCCCCTGGGGCAATGCTCCCGGGGCGCGGGATGAGCCAGCGATCCTGAACTGTGTT
 CTGCCACAGTGACTCGGCCGTCGGGCATGGCAGACCCAGTGGCGGGCATCGCGGTT
 CGGCGGCAAGAGCGTGCGGCCATTTGCTCCAGTGAGGCTACGTGGAGGCCATGAAGG
 AGGACCTGGCCGAGTGGCTCAATGCCTGTACGGCCTGGGTCTCCCGGGTGGTGGCGATG
 GCTTCTGACAGGGCTGGCCACGGGCACGACCCGTGTCCAACATGCCAACGCCGTGACCG
 AGGCTGCCCGTGCAATTGGCAGCCGCCCGCCGGCCGAGGTGTGGCCTTCCAGGCCACA
 GTGTAGTGCTGGCTCCTTCATGGCGCGGACAACGTGGCCACCTTCATCGGCTGGTGCC
 GCGTGGAGCTGGGTGTGCCGAGGTGCTCATGTTTGAAGTGGAGACCTGGTGTGCGCA
 AGAACGAGAAGAGCGTGGTGTGCTGCTGGAGGTGGCGCGGCGTGGGCACGCCTGG
 GCCTGCTGGCCCCACGCCTCGTGCAGTTTGAAGCAGGAGATTGAGCGGGAGCTGCGTGTG
 CACCCCCAGCCCCAACGCCCTGCCGCTGGGGAGGACACCACTGAAACCGCCCCGCAC
 CAGGGACTCCTGCCCGCGGCCCCCGCATGACACCAGCGACCTGCGCAACCTCGACGAGC
 TGGTGAGGGAGATTCTGGGCCGCTGCACCTGCCCTGACCAGTTTCCCATGATCAAGTCT
 CAGAGGGGAAGTACCGTGTGGGGGACTCGAGCCTGCTCATCTTTGTGCGGGTGTGAGGA
 GCCACGTGATGGTGCGAGTGGTGGTGGCTGGGACACGCTGGAGCATTACCTGGACAAGC
 ACGACCCGTGCCGCTGCTCCTCCACTGCTCATCGCCACCCAGCCGAGGGTCTGCACCT
 TTTCTCCACAGAGGGTGTGCGCCACCACAGTCCCGCCCTGCTAGCCAGTCCCTGGGA
 GTGAGCGCCGGGGCTCCCGGCCTGAGATGACTCCCGTTAGCTTACGAAGCACAAGGAGG
 GGCCCCGAGACCCACCCAGGCCCGGGATCAGCTGCCCCCATCCCGCTCCCGCCGCT
 ACTCCGGGACAGTACTCCTCAGCCTCCTCCGCCAGAGCGGCCCTTGGTACCCGCA
 GTGATGACACAGGCACTGGCCCCGGAGGAGCGACCCAGCCGGCGGCTGACCACAGCA
 CCCCAGCCCTCCGAGAGCGCCCTCCTGCCCTGCGCAGCCAGTCCCGAGACCGGCTGGATC
 GCGGCCGCCCCGGGGGCCCCAGGAGGAGGGGAGCCAGCTGTGCGTCCCCAGCCCTG
 CCGCGCGGCCCGGAGCCAGAGCCGCGAGGAGCAGGCTGTGCTGTTGTGCGCAGGGATC
 GAGACGGGCGCACTCATGGGTGCCAAGGGGCAGGGGCAGTGGGGCTCGGGCAGGAGCA
 CCCCCAGACTCCCGTGCCTGAGCCCTGCAGCACCCCGGCTTCCCGGGTCTCCAGCC
 CCAGTCCAGAGTTGGGCACCACACCGGCCAGCATCTTCCGCACACCCCTGCAGCTCGACC
 CGCAGCAGGAGCAGCAGTGTTCGGCGCCTGGAAGAGGAGTTCTTGCCAATGCCCGGG
 CCCTTGAGGCTGTGCTAGCGTGAACCCACTGGACCAGCCCTGACCCAGCTCGGGCCC
 CCGACCTCCAGCTCCTGACTCTGCCTATTGTTCTCCAGTTCCTCCTTTCGTCCCTCA
 GCGTCTGGGTGGCAATGTGGCAACCTGGGGACTCTGGCCGGACGGCAATGGGCTGC
 CTGGGCCCCGAAGCCAAGCCCTTCCAGCTCCTCCGATGAAGGCAGCCCTGCCCTGGCA
 TGGGGGGGCCACTAGATGCACCTGGGAGCCCCCTGGCTTGCACTGAACCTCGAGGACCT
 GGGCACGGGTGCGATGGACACACAGCCAGACCGTAAACCTCACGTATCCCCACGCCTC
 GGGGCCCCCGCCGCCCTCCGGACCCGAGAGCTGGGGACATGGCATGCCCTGCACTCAG
 TCACCCCGAGGGCTGAGCCAGATTCTGGATGTGATGGACCAGCTCAGCTGTCCCAGAC
 CCCATCCCTTCTCCTTTTCTTTGTGGCCTAACCTTCTGCATCAGGGAGCCCCCTGTG
 CCTTTGAGTACCAGACCTCATGGGACCAGACCCCTGGGACCACATGGCACAATGGGAC
 CTCTGTTGTACATTCCGTTGGGGGATGAGCGTTGCTATTTAATTAATAATATTATTGAA
 TGCTTAGAGGAGGCCGGGCGAGCCCGTGTCTGAAGACCTGTGGCCAGCAGAGCCTC
 TGACAGTAAAGTTTTGCTCCAGCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: EcoRI-NOT

ACCN: NM_006478

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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_006478.3 , NP_006469.2
RefSeq Size:	2557 bp
RefSeq ORF:	2046 bp
Locus ID:	10634
UniProt ID:	Q99501
Cytogenetics:	22q12.2
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) encodes isoform (a). Variants 1, 2 and 5 encode isoform a.</p> <p>Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>