

Product datasheet for **SC110181**

GAS2L1 (NM_152236) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GAS2L1 (NM_152236) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAS2L1
Synonyms:	GAR22
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC110181 sequence for NM_152236 edited (data generated by NextGen Sequencing)

```
ATGGCAGACCCAGTGGCGGGCATCGCGGGCTCGGCGGCCAAGAGCGTGCGGCCATTTTCGC
TCCAGTGAGGCCCTACGTGGAGGCCATGAAGGAGGACCTGGCCGAGTGGCTCAATGCCTTG
TACGGCCTGGGTCTCCCGGGTGGTGGCGATGGCTTCTGACAGGGCTGGCCACGGGCACG
ACCCTGTGCCAACATGCCAACGCCGTGACCGAGGCTGCCCGTGCATTGGCAGCCGCCCGC
CCGGCCCGAGGTGTGGCCTTCCAGGCGCACAGTGTAGTGCCTGGCTCCTTCATGGCGCGC
GACAACGTGGCCACCTTCATCGGCTGGTGCCGCTGGAGCTGGGTGTGCCGGAGGTGCTC
ATGTTTGGAGACTGAGGACCTGGTGTGCGCAAGAACGAGAAGAGCGTGGTGTGTGCCTG
CTGGAGGTGGCGCGCGTGGGGCACGCCTGGGCCTGCTGGCCCCACGCCTCGTGCAGTTT
GAGCAGGAGATTGAGCGGGAGCTGCGTGTGCACCCCCAGCCCCAACGCCCTGCCGCT
GGGGAGGACACCACTGAAACCGCCCCGCACCAGGGACTCCTGCCCGCGGCCCGCATG
ACACCCAGCGACCTGCGCAACCTCGACGAGCTGGTGGGGAGATTCTGGGCCGCTGCACC
TGCCCTGACCAGTTTCCCATGATCAAGGTCTCAGAGGGGAAGTACCGTGTGGGGACTCG
AGCCTGCTCATCTTTGTGCGGGTGTGAGGAGCCACGTGATGGTGGAGTGGGTGGTGGC
TGGGACACGCTGGAGCATTACCTGGACAAGCACACCCGTGCCGCTGCTCCTCCACTGCT
CATCGCCACCCAGCCGAGGGTCTGCACCTTTTCTCCACAGAGGGTGTGCGCCACCACC
AGTCCCGCCCTGCTAGCCAGTCCCTGGGAGTGGCGCCGGGGCTCCCGGCCTGAGATG
ACTCCCGTTAGCTTACGAAGCACAAAGGAGGGGCCGAGACCCACCCAGGCCCGGGAT
CAGCTGCCCGCCATCCCGCTCCCGCCGCTACTCCGGGGACAGTGACTCCTCAGCCTCC
TCCGCCAGAGCGGCCCTTGGTACCCGCACTGATGACACAGGCACTGGCCCCGGAGG
GAGCGACCCAGCCGGCGGCTGACCACAGCACCCCGCCCTCTCCGAGACGGCCTCCTGCC
CTGCGCAGCCAGTCCCGAGACCCGGTGGATCGCGGCCGGCCCGGGGGGCCCCAGGAGGC
AGGGGAGCCAGCTGTGCGTCCCGAGCCCTGCCCGCGGGCCCGGAGCCAGAGCCGCGAG
GAGCAGGCTGTGCTGCTTGTGCGCAGGGATCGAGACGGGCAGCACTCATGGGTGCCAAGG
GGCAGGGGCAGTGGGGGCTCGGGCAGGAGCACCCCCAGACTCCCGTGGCCGACGCCCT
GCAGCACCCCGGCTTTCCCGGGTCTCCAGCCCCAGTCCAGAGTTGGGCACCACACCGGCC
AGCATCTCCGCACTCCCTGCAGCTCGACCCGACGAGGAGCAGCAGCTGTTCCGGCGC
CTGGAAGAGGAGTTCTGGCCAATGCCCGGGCCCTTGGAGCTGTTGCTAGCGTGACCCCC
ACTGGACCAGCCCTGACCCAGCTCGGGCCCCGACCCTCCAGCTCCTGACTCTGCCTAT
TGTTCTCCAGTTCCTCCTTCTGTCCTCAGCGTCTGGGTGGCAAATGTGGCCAACT
GGGGACTCTGGCCGACGCGCAATGGGCTGCCTGGGCCCCGAAGCCAAGCCCTTTCCAGC
TCCTCCGATGAAGGCAGCCCTGCCCTGGCATGGGGGGGCCACTAGATGCACCTGGGAGC
CCCCTGGCTTGCAGTGAACCTCGAGGACCTGGGCACGGGGTCCGATGGACACACAGCCA
GACCGTAAACCTCACGTATCCCCACGCCTCGGGGCCCGCCCGCCCTCCGGACCCGCA
GAGCTGGGGACATGGCATGCCCTGCACTCAGTACCCCGAGGGCTGAGCCAGATTCTGG
ATGTGA
```

Clone variation with respect to NM_152236.1
1515 a=>t

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_152236 unedited</p> <pre>ATTACCCGCCCGTTGCCGCATTGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCA GAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGA ATTCGGCACGAGGGCGGCGGGACGCATAGAGCTGCGGCTCGGGCGGCGCCTCCCTGCC GCGGCCCGGCCCGGCTCCGGCCCCGCTGGGGCAATGCTCCCCGGGGCCGCGGATGAGC CAGTGACTCGGCCGTCGGGCATGGCAGACCCAGTGGCGGGCATCGCGGGCTCGCGCGC CAAGAGCGTGGCCATTTCGCTCCAGTGAGGCCTACGTGGAGGCCATGAAGGAGGACCT GGCCGAGTGGCTCAATGCCTTGTACGGCCTGGGTCTCCCGGTGGTGGCGATGGCTTCT GACAGGGCTGGCCACGGGCACGACCCTGTGCCAACATGCCAACGCCGTGACCGAGGCTGC CCGTGCATTGGCAGCCGCCCGCCCGCCGAGGTGTGGCCTTCCAGGCGCACAGTGTAGT GCCTGGCTCCTTCATGGCGCGGACAACGTGGCCACCTTCATCGGCTGGTGCCGCGTGGA GCTGGGTGTGCCGGAGTGCTCATGTTTGGAGTGGAGACCTGTTGCTGCGCAAGACGAG AAGAGCGTGGTGTGCTGCTGGAGTGGCGCCGGCCTGGGGCACCCCTGGGCCTGTTG CCCCACCCTGTGCAGTTTGAGCAGGAGATGAGCGGTAGCTTGGTGTGGACCCCGACC CCCACGGCCCTGCCGTGGTGGAGACACCCTGAAAACGCCCCGAAACAGTACTCCTGCC CGGGGCCCGATGAACCAAGGACCTGGCACCCCTAAAGCTGGGGAGAAAAATTTGGNCC GTGACCTGCCTGCCAGTTCCTGACCAGTTAAAGGGAAACCGTTGGGACTCAGCCCCACT TTTGCGGGG</pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_152236 unedited</p> <pre>CACTGGCCATGGNGATGGCACTTCCAGGCCAGANAGCACTGGGGNAGGGGTCACAGGGNA TGCCACCCGGGATCTGTTCCAGNAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGTT TTTTTTTTTTTTTTTTGCTGGAGCAAACTTTACTGTGACAGAGCCTCTGCTGGGCCACAG GTCTTCAGAACACCGGGCTCGCCCGGCCTCCTCTAAGGCATTCAATAATATTAGTAATTA AATAGCAACGCTCATCCCCAACCGGAATGTACAACAGAGGTCCCATTTGTCCATGTGG TCCCAAGGGGTCTGGTCCCATGAGGTCTGGTACTCAAGAGGCAGAGGGGGCTCCCTGATG CAGAAGGGTTAAGGCCACAAAGGAAAAGGAGAAGGGATGGGGTCTGGGGACAGCTGAGCT GGTCCATCACATCCAGGAATCTGGCTCAGCCCTCGGGGTACTGAGTGCAGGGCATGCCA TGTCCCCAGCTCTGCGGGTCCGGAGGGGCGCGGGGCCCCGAGGCGTGGGGATACGTGA GGGTTTACGGTCTGGCTGTGTGTCATCCGACCCCGTGCCAGGTCTCGAGGGTTCACT GCAAGCCAGGGGCTCCAGGTGCATCTAGTGGCCCCCATGCCAGGGCAGGGGCTGCC TTCATCGGAGGAGCTGGAAGGGCTTGGCTTCGGGGCCAGGCAGCCATTGGCCGTCCG GCCAGAGTCCCCAGTTGGCCAATTTGCCACCCAGGACGCTGAAGGACGAAAAAGAGGAAC TGGGAGGACAATAGGCAGAATCAGGAGCTTGGAGGTGGGGGCCGACTTGGTCAGGGGC CTGGCCAGTGGGGTACCCTAAAAGGCCCTAA</pre>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_152236
Insert Size:	2500 bp
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).
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_152236.1](#), [NP_689422.1](#)

RefSeq Size: 2533 bp

RefSeq ORF: 2046 bp

Locus ID: 10634

UniProt ID: [Q99501](#)

Cytogenetics: 22q12.2

Domains: CH, GAS2

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]

Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 5 encode isoform a. 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.