

Product datasheet for **SC110182**

GAS2L1 (NM_152237) Human Untagged Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | GAS2L1 (NM_152237) 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) |
| Fully Sequenced ORF: | >NCBI ORF sequence for NM_152237, the custom clone sequence may differ by one or more nucleotides |

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ATGGCAGACCCAGTGGCGGGCATCGCGGGCTCGGCGGCCAAGAGCGTGCGGCCATTTGCTCCAGTGAGG
CCTACGTGGAGGCCATGAAGGAGGACCTGGCCGAGTGGCTCAATGCCTTGTACGGCCTGGGTCTCCCGGG
TGGTGGCGATGGCTTCTGACAGGGCTGGCCACGGGCACGACCCTGTGCCAACATGCCAACGCCGTGACC
GAGGCTGCCCGTGCATTGGCAGCCGCCCGCCCGCCGAGGTGTGGCCTCCAGGCGCACAGTGTAGTGC
CTGGCTCCTTCATGGCGCGGACAACGTGGCCACCTTCATCGGCTGGTGGCGGTGGAGCTGGGTGTGCC
GGAGGTGCTCATGTTTGGACTGAGGACCTGGTGTGCGCAAGAACGAGAAGAGCGTGGTGTGTGCTG
CTGGAGGTGGCGGGCGTGGGGACGCCCTGGGCCTGCTGGCCCCACGCCCTCGTGCAGTTTGAGCAGGAGA
TTGAGCGGGAGCTGCGTGTGCACCCCCAGCCCCAACGCCCTGCCGCTGGGGAGGACACCACTGAAAC
CGCCCCGCACACAGGGACTCCTGCCCGCGGCCCGCATGACACCCAGCGACCTGCGCAACCTCGACGAG
CTGGTGAGGGAGATTCTGGGCCGCTGCACCTGCCCTGACCAAGTTTCCCATGATCAAGGTCTCAGAGGGGA
AGTACCGTGTGGGGGACTCGAGCCTGCTCATCTTTGTGCGGGTGTGAGGAGCCACGTGATGGTGGCAGT
GGGTGGTGGTGGGACACGCTGGAGCATTACCTGGACAAGCACGACCCGTGCCGCTGCTCCTCCACTGCT
CATCGCCACCCAGCCGAGGGTCTGCACCTTTTCTCCACAGAGGGTGTGCGCCACCACCACTCCCGCC
CTGCTAGCCCAGTCCCTGGGAGTGAGCGCCGGGGCTCCCGGCTGAGATGACTCCCGTTAGCTTACGAAG
CACAAAGGAGGGGCCGAGACCCACCCAGGTGA
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| 5' Read Nucleotide Sequence: | <p>>OriGene 5' read for NM_152237 unedited TCCCCGCCCCGTTGNCGCAAAGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCA GAGCTCATTAGGTGACACTATAGAATACAAGCTACTTGTCTTTTTGCAGCGGCCGCGA ATTCGGCACGAGGCCGCGGGCGGGACGCATAGAGCTGCGGCTCGGGCGGCGCCTCCCTG CGGCGGCCCGGCCGGCTCCGGCCCCGCTGGGCAATGCTCCCCGGGGCCGCGGATGA GCCAGTGACTCGGCCGGTCCGGGCATGGTAGACCCAGTGGCGGGCATCGCGGGCTCGGCG GCCAAGAGCGTGGCCATTTTCGCTCCAGTGAGGCCTACGTGGAGGCCATGAAGGAGGAC CTGGCCGAGTGGCTCAATGCCTTGTACGGCCTGGGTCTCCCGGGTGGTGGCGATGGCTTC CTGACAGGGCTGGCCACGGGCACACCCTGTGCCAACATGCCAACGCCGTGACCGAGGCT GCCCGTGCATTGGCAGCCGCCGCCCGGCCGAGGTGTGGCCTTCCAGGCGCACAGTGTA GTGCTGGCTCCTCATGGCGCGGACAACGTGGCCACCTTCATCGGCTGGTGGCGGTG GAGCTGGTGTGCCGGAGGTGCTCATGTTTGGACTGAGGACCTGGTGTGCGCAAGAAC GAGAAGAGCGTGGTGTGCTGCTGCTGGAGTGGCGGGCGTGGGCACGCCTGGGCTGC TGGCCCCACGCCTCGTGCAGTTTGGCAGGAGATTGAGCGGGAGCTGCGTGTGACCCC CAGCCCCAAACGCCCTGGCGTGGGGAGGACACCACTGAAACCGCCCCGCACCAGGGA CTNCTGCCCGCGCCCCGCATGACACCAGCGACCTGCCAACCTCGACGAGCTGGTGA GGGAGAATCTGGGCCGCTGCACCTGCCCTGGACAGTTTCCATGATCAAGGTCTCAGAGG GGGAAGTACCGTG</p> |
| 3' Read Nucleotide Sequence: | <p>>OriGene 3' read for NM_152237 unedited AGGCACTGGATGGTACTTGCCGCACTCNANGATCGTTTTTTTTTTTTTTTTTTTTTCT GGAGCAAAACTTTACTGTGAGAGGCTCTGCTGGGCCACAGGTCTTCAGAAACCGGGCTCG CCCGCCCTCCTTAAGGCATTCAATAATATTAGTAATTAATAGCAACGCTCATCCCCCA ACCGGAATGTACAACAGAGGTCCATTGTGCCATGTGGTCCCAAGGGGTCTGGTCCCATG AGGTCTGGTACTCAAGAGGCAGAGGGGGCTCCCTGATGCAGAAGGGTTAAGGCCACAAAG GAAAAGGAGAAGGGATGGGGTCTGGGGACAGCTGAGCTGGTCCATCACATCCAGGAATCT GGCTCAGCCCTCGGGGTGACTGAGTGCAGGGCATGCCATGTCCCCAGCTCTGCGGGTCCG GAGGGGCGGGGGGGCCCCGAGGCGTGGGGATACGTGAGGGTTTACGGTCTGGTGTGTG TCCATCCGACCCCGTGCCAGGTCTCGAGGGTTCAAGTCAAGCCAGGGGGCTCCCAGGT GCATCTAGTGGCCCCCATGCCAGGGCAGGGGCTGCCTTCATCGGAGGAGCTGGAAGG GCTTGGCTTCGGGGCCCATGCAGCCATTGGCCGTCGGCCAGAGTCCCCAGTTGGCCA CATTTGCCACCCAGGACGCTGAGGGACGAAGAGGAGGAAGTGGNAGAACAATATGCAGAG TCAGGAGCCTGAAGGTCTGGGGGCCCGAGCTGGGTCAAGGGCTGGTCCAGTGGNGGTTCA CGCTAGCAACAGCCTCAAGGGCCCGGCATTGGCCAGGAAGTNCCTCTTNCAGGGCCCGG AACAACTGCTGCTCTGCTGGCGGGTCCGAGC</p> |
| Restriction Sites: | NotI-NotI |
| ACCN: | NM_152237 |
| Insert Size: | 2800 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_152237.1](#), [NP_689423.1](#)

RefSeq Size: 2963 bp

RefSeq ORF: 1014 bp

Locus ID: 10634

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 (3) differs in the 5' UTR and coding region compared to variant 1, resulting in a frameshift. This results in an isoform (b) with a shorter C-terminus compared to isoform a.