

## Product datasheet for **SC119633**

### **GAS 6 (GAS6) (NM\_000820) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	GAS 6 (GAS6) (NM_000820) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAS 6
Synonyms:	AXLLG; AXSF
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC119633 sequence for NM\_000820 edited (data generated by NextGen Sequencing)

```
ATGGCCCTTCGCTCTCGCCCGGGCCCGCCCTGCGCCGCGCGCCGAGCTGCTGCTG
CTGCTGCTGGCCGCGGAGTGCAGCTTGCAGCGCTGTTGCCGCGCGCGAGGCCACGCAG
TTCCTGCGGCCAGGCAGCGCCGCGCTTTCAGGTCTTCGAGGAGGCCAAGCAGGGCCAC
CTGGAGAGGGAGTGCCTGGAGGAGCTGTGCAGCCGCGAGGAGGCCGGGAGGTGTTCCGAG
AACGACCCCGAGACGGATTATTTTTACCCAAGATACTTAGACTGCATCAACAAGTATGGG
TCTCCGTACACCAAAAACTCAGGCTTCGCCACCTGCGTGC AAAACCTGCCTGACCAGTGC
ACGCCCAACCCCTGCGATAGGAAGGGGACCCAAGCCTGCCAGGACCTCATGGGCAACTTC
TTCTGCCTGTGTAAGACTGGCTGGGGGGCCGGCTCTGCGACAAAGATGTCAACGAATGC
AGCCAGGAGAACGGGGCTGCCTCCAGATCTGCCACAACAAGCCGGTAGCTTCCACTGT
TCCTGCCACAGCGGCTTCGAGCTCTCTCTGATGGCAGGACCTGCCAAGACATAGACGAG
TGCGCAGACTCGGAGGCTGCGGGGAGGCGCGCTGCAAGAACCTGCCCGGCTCCTACTCC
TGCTCTGTGACGAGGGCTTTCGTACAGCTCCCAGGAGAAGGCTTGCCGAGATGTGGAC
GAGTGTCTGCAGGGCCGCTGTGAGCAGGCTGCGTGAAC TCCCCAGGGAGCTACACTGC
CACTGTGACGGGCGTGGGGCCCTCAAGCTGTCCAGGACATGGACACCTGTGAGGACATC
TTGCCGTGCGTGCCCTTACGCTGGCCAAGAGTGTGAAGTCC TTTGTACCTGGGCCGGATG
TTCAGTGGGACCCCGTATCCGACTGCGCTTCAAGAGGCTGCAGCCACCAGGCTGGTA
GCTGAGTTTGACTTCCGGACCTTTGACCCGAGGGCATCTCCTCTTTGCCGGAGGCCAC
CAGGACAGCACCTGGATCGTGTGGCCCTGAGAGCCGGCCGGCTGGAGCTGCAGCTGCGC
TACAACGGTGTGCGCCGTGTACCAGCAGCGGCCCGGTATCAACCATGGCATGTGGCAG
ACAATCTCTGTTGAGGAGCTGGCGCGGAATCTGGTTCATCAAGGTCAACAGGGATGCTGTC
ATGAAAAATCGCGGTGGCCGGGACTTGTTC AACCCGAGCGAGGACTGTATCATCTGAAC
CTGACCGTGGGAGGTATTCCCTTCCATGAGAAGGACCTCGTGCAGCCTATAAACCCCTCGT
CTGGATGGCTGCATGAGGAGCTGGAAGTGGCTGAACGGAGAAGACACCACCATCCAGGAA
ACGGTGAAGTGAACACGAGGATGCAGTCTTCTCGGTGACGGAGAGAGGCTCTTTCTAC
CCCGGGAGCGGCTTCGCCTTCTACAGCCTGGACTACATGCGGACCCCTCTGGACGTCGGG
ACTGAATCAACCTGGGAAGTAGAAGTCTGGCTCACATCCGCCAGCCGAGACACAGGC
GTGCTGTTTTCGCTCTGGGCCCCGACCTCCGTGCCGTGCCTCTCTCTGTGGCACTGGTA
GACTATCACTCCACGAAGAACTCAAGAAGCAGCTGGTGGTCTTGCCGTGGAGCATAACG
GCCTTGCCCTAATGGAGATCAAGGTCTGCGACGGCCAAGAGCACGTGGTACCCTCTCG
CTGAGGGACGGT GAGGCCACCCTGGAGGTGGACGGCACCAGGGGCCAGAGCGAGGTGAGC
GCCGCGCAGCTGCAGGAGAGGCTGGCCGTGCTCGAGAGGCACCTGCGGAGCCCCGTGCTC
ACCTTTGCTGGCGGCTGCCAGATGTGCCGGTACTTCAGCGCCAGTACCCGCTTCTAC
CGCGGCTGCATGACACTGGAGGTCAACCGGAGGCTGCTGGACCTGGACGAGGCGGCGTAC
AAGCACAGCGACATCACGGCCACTCCTGCCCCCGTGGAGCCCGCCGAGCCTAG
```

Clone variation with respect to NM\_000820.2

**5' Read Nucleotide Sequence:**

```
>OriGene 5' read for NM_000820 unedited
GCAATTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCCGCCAGNA
CGGGATGACCGGAGCCTCCGCCCGCGGCCCGCGGCTCGCCTCGGCCTCCCGGGCGCT
CTGACCGCGCTCCCGGCCCGCCATGGCCCTTCGCTCTCGCCCGGCCCGGCCCGCCTG
CGCCGCGCGCCGAGCTGCTGCTGCTGCTGCTGGCCGCGGAGTGCAGCCTTGCCGCGTG
TTGCCGGCGCGAGGCCACGCAGTTCTGCGGCCAGGCAGCCGCGCCTTTCAGGTC
TTCCGAGGAGCCAAAGCAGGGCCACCTGGAGAGGGAGTGCCTGGAGGAGCTGTGCAGCCGC
GAGGAGGCGCGGAGGTGTTGAGAACGACCCGAGACGATTATTTTTACCCAAGATAC
TTAGACTGCATCAACAAGTATGGGTCTCCGTACACCAAAAACTCAGGCTTCGCCACTGC
GTGCAAAACCTGCCTGACCAGTGACAGCCCAACCCTGCGATAGGAAGGGGACCAAGCC
TGCCAGGACCTCATGGGCAACTTCTTCTGCTGTGTAAGCTGGCTGGGGGGGCCGGCTC
TGCGACAAAGATGTCAACGAATGCAGCCAGGAGAACGNGGCTGCCTCCAGATCTGCCAC
AACAGCCGGGTAGCTTCCACTGTTCTGCCACAGCGGCTTCGAGCTCCTCTGATGGC
AGGACCTGCCAAGACATANACGAGTGCAGAGANNTCGAGCTGNCGGGGAGGCGCGCTG
CAAGAACCTGCCCGGGCTCTACTCTGCCTCTGGGACGAAGGGCTNTGCGTACAGTCCC
AAGANAAGGCTGCCCGAATGTGGAACAATGTCCTGCAGGGCCCTGGGAAACAGTTCTGC
GTGAACCTCCCAGNAGCTACACTGCCTTGACCGGGGGGTGGGGGGGGCTTCAAGCTGT
CCCAGAAGTACCCTCTGTGAGGGTACTGNGCCCGGGCTGCCCTCN
```

**3' Read Nucleotide Sequence:**

```
>OriGene 3' read for NM_000820 unedited
NNNTTGTCTGGACCGCGCCCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTTTT
TTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAACAACTTTTGAAAAATATTTATTT
TCCATATTTAAAAAGCCAAAAAAAAGCGCTGGGTAAAAAATAATAGAAAATTTTTTTTT
TCAACCCCGTTTTGGGCTGGGCCGGCTCCCGGGCCCGGGCCACGGTTGAGGGCGCGG
GGTAAAAGGCCCAAGCCATTTCACTTTTACAGATTTGTTACAGGCCGGGAGGGTACAC
AAAGGAAAGCCAGTTTTAAACAGGGCCACGGGGGAGGAGGGAGCCCCAGGCTCCTC
CCGTTGTTTGGGACAAAACTGAAAACCTGCCGGTCCCGGGGGGCTAGGCTGGGG
GGGGCTCCACGGGGGGCAGGAGGGGGCGTGATGTCCTTGCTGTACCCCGCCTTGT
CCAGTCCAGAAGCCTCCGTTGACCTCCAGGGTATGCACCCGCGAAAAACCGGGGA
CTGGCGTAAAGTACCAGCACATTTGGCAGGCCGCAACAAGGGGAGCACGGGGCTCC
GAAGGGGCTTTAGAGCACGGCCAGCCTTCTGGAGTTGGGGGGGCTCACCTCGTTTT
GGCCCTGGGGGCGTCCCTCCAGGGGGCCTCACCGTCCCTCAGGGAGAACGGGGAC
CACGTGCTCTTTGGCCGGCGCAAACTTTGATCTTCCATTAGGGGCAAAGGCCGTATTG
CTCCACGGCCAAGGACCACAGCGTGTTTTTTGAAGTTCTTTCGGGGGAGAGAAAGCCAA
CCCGGGCCAAAAAAGGCCGCCCGGAGGTGGGGGGCCAAAGCGAAAAACCCCC
TGGTTTGGGGTGGGCGATGGTACACCCACTCCCCTCCAG
```

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_000820

**Insert Size:**

2550 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_000820.1</a> , <a href="#">NP_000811.1</a>
<b>RefSeq Size:</b>	2461 bp
<b>RefSeq ORF:</b>	2037 bp
<b>Locus ID:</b>	2621
<b>UniProt ID:</b>	<a href="#">Q14393</a>
<b>Cytogenetics:</b>	13q34
<b>Domains:</b>	GLA, LamG, EGF_CA, EGF, EGF
<b>Protein Families:</b>	Druggable Genome, Secreted Protein
<b>Gene Summary:</b>	This gene encodes a gamma-carboxyglutamic acid (Gla)-containing protein thought to be involved in the stimulation of cell proliferation. This gene is frequently overexpressed in many cancers and has been implicated as an adverse prognostic marker. Elevated protein levels are additionally associated with a variety of disease states, including venous thromboembolic disease, systemic lupus erythematosus, chronic renal failure, and preeclampsia. [provided by RefSeq, Aug 2014]