

## Product datasheet for **SC116019**

### **GAS41 (YEATS4) (NM\_006530) Human Untagged Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GAS41 (YEATS4) (NM_006530) Human Untagged Clone
Tag:	Tag Free
Symbol:	GAS41
Synonyms:	4930573H17Rik; B230215M10Rik; GAS41; NUBI-1; YAF9
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006530, the custom clone sequence may differ by one or more nucleotides

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ATGTTCAAGAGAATGGCCGAATTTGGGCCTGACTCCGGCGGGAGAGTAAAGGGTGTACTATCGTTAAAC  
CAATAGTTTACGGTAATGTTGCTCGGTATTTGGAAAGAAAAGAGAAGAAGATGGGCACACTCATCAGTG  
GACAGTATATGTGAAACCATATAGAAATGAGGATATGTCAGCATATGTGAAGAAAATCCAGTTTAAATTA  
CATGAAAGCTATGGCAATCCTTTAAGAGTTGTTACTAAACCTCCATATGAAATTACTGAAACAGGATGGG  
GTGAATTCGAAATAATCATCAAATATTTTTTCATTGACCCTAATGAAAGACCTGTAACCTGTATCATT  
GCTAAAGCTGTTTCAATCAGACACCAATGCAATGCTGGGGAAAAAGACAGTGGTTTCAGAGTTCTATGAT  
GAAATGATATTTCAAGACCCAACAGCAATGATGCAACAATTATTGACAACATCTCGTCAGCTAACATTAG  
GAGCCTATAAGCATGAAACAGAATTTGCAGAGCTTGAAGTGAAAACAGAGAAAAATTAGAAGCTGCTAA  
GAAAAAACAAGCTTTGAGATTGCAGAGCTTAAGGAGAGATTAAGCAAGTCGTGAAACTATAAATTGT  
TTAAAAATGAAATCAGAAAACCTGAAGAAGATGACCAAGCAAAAAGACATATAA
```



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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006530 unedited  
 GTCACAATTGTAACGACCACTATAGGCGGCCGCGAAATCGGCACGAGGCTCGTGCCGC  
 TTCAGGAGCACAGTCGGCCTGAGGAGTTGATGGTTACTCACCGCCGTGAGCCCAAGTAAC  
 TCGCCCTCCTTCGGCTAGAAACCTCCGCCTGGGCCCGCGCAGGAGCGCGGTCTCTG  
 AGGGGAGCGGCGACCCCGCCAGCCCGGTCTCTTTCCCTGGCGGCGGCGGCTTCTCCGT  
 GGGACAATATGTTCAAGAGAATGGCCGAATTTGGGCTGACTCCGCGGGAGAGTAAAGG  
 GTGTTACTATCGTTAAACCAATAGTTTACGGTAATGTTGCTCGGTATTTTGGAAAGAAA  
 GAGAAGAAGATGGGCACACTCATCAGTGGACAGTATATGTGAAACCATATAGAAATGAGG  
 ATATGTCAGCATATGTGAAGAAAATCCAGTTTAAATTACATGAAAGCTATGGCAATCCTT  
 TAAGAGTTGTTACTAAACCTCCATATGAAATTACTGAAACAGGATGGGGTGAATTCGAAA  
 TAATCATCAAAATATTTTTCATTGACCCTAATGAAAGACCTGTAACCCTGTATCATTTCG  
 TAAAGCTGTTTCAATCACACCCCAATGCAATGCTGGGAAAAAACAGTGGTTTCAGAGTT  
 CTATGATGAAATGATATTTCAAGACTCCACAGCAATGATGCCACAATTATNGACACCATT  
 TCGTCAGTAACATTAGGAGCCTATAACCAGGAACAGAATTTTACAGCTTGAAGTGCAA  
 CCCCCAGAAAAATTAAGCTGTTTAAAAAAAACAGCCTTTGAAATGCACAGCTTAAGG  
 GGAGATTAAGCAATCTGGAAAATATATAATGTTTAAAAAAGGAAACCGACAAACTTGT  
 AAAAGAAGN

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006530 unedited  
 ATGAACCGCGCGGCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTT  
 TTTTTTTTTTTTTTTTAGGATCTGTAACACTACATTTATGAATACTTACTGGACACATCA  
 TATACAAAAAAGGATGGGGCAGGTAACAACTTGAAGAAATTAATATACACATTAAGTT  
 TCTTCACTAATTCTAGCCACTAAAGAAGTACAAAATTTGTACAAGTAATACTTTATAATG  
 AAATTTTGATGCCTGTCAAAAGGTAATAAGCTATACATATACTACAATAAACATTTTTTA  
 AAAACTGGGCTTAATATCATAAAAATTTCTTAAAATGGGTTGGTAAAATACCTATATAGC  
 ATCCATTTCTACACATATTTTCCATTAAGATTGCTTAAATAGTACAAATTCCTATTG  
 CTAATAAATTCATGGTCAACAGCTGTATATGAAGTTCCCTCAAAAAACATCACAGCATT  
 GCAGTAAGTCCATTTCTCCAGTGAAGCCACCTTATTTTTCAGTTTAGCTTACTACCAAGT  
 TCTCATGAGAAGTGTATATGTCTTTTGTGGCCATCTTCTCAAGTTTTCTGATTTTCT  
 ATTTTTTAAACAATTTATAGTTTCACGACTTGTCTTAAATCTCTCCTTAAGCTCTGCAAT  
 CTCAAAGCTTGTTTTTTCTTAGCAGCTTCTAATTTTTCTCTGGTTNTCACTTCAAGCTC  
 TGCAAAATTCGTTCATGCTTATAGGCTCCTAATGTTAGCTGACGAGATGTTGNCAATAA  
 TTGNTGCATCATTGCTGTGGGCTCTTGAATATCATTTCATCAGAACTCTGAAACCCC  
 TGTCTTTTTTCCCANATTGGAATGGNNGTCTGATTGAACACNCTTACCAATGAACAGGT  
 TTACCGTTCTTATTAGGTCATGAAAAATT

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006530

**Insert Size:**

1440 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).

<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_006530.2</a> , <a href="#">NP_006521.1</a>
<b>RefSeq Size:</b>	1404 bp
<b>RefSeq ORF:</b>	684 bp
<b>Locus ID:</b>	8089
<b>UniProt ID:</b>	<a href="#">O95619</a>
<b>Cytogenetics:</b>	12q15
<b>Domains:</b>	YEATS
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Gene Summary:</b>	<p>The protein encoded by this gene is found in the nucleoli. It has high sequence homology to human MLLT1, and yeast and human MLLT3 proteins. Both MLLT1 and MLLT3 proteins belong to a class of transcription factors, indicating that the encoded protein might also represent a transcription factor. This protein is thought to be required for RNA transcription. This gene has been shown to be amplified in tumors. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Jul 2014]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).</p>