

## Product datasheet for **RC201526**

### **GAS41 (YEATS4) (NM\_006530) Human Tagged ORF Clone**

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GAS41 (YEATS4) (NM_006530) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	GAS41
Synonyms:	4930573H17Rik; B230215M10Rik; GAS41; NUBI-1; YAF9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC201526 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTCAAGAGAATGGCCGAATTTGGCCTGACTCCGGCGGGAGAGTAAAGGGTGTACTATCGTTAAAC  
CAATAGTTTACGGTAATGTTGCTCGGTATTTGGAAAGAAAAGAGAAGAAGATGGGCACACTCATCAGTG  
GACAGTATATGTGAAACCATATAGAAATGAGGATATGTCAGCATATGTGAAGAAAATCCAGTTTAAATTA  
CATGAAAGCTATGGCAATCCTTTAAGAGTTGTTACTAAACCTCCATATGAAATTACTGAAACAGGATGGG  
GTGAATTCGAAATAATCATCAAAATATTTTTCATTGACCCTAATGAAAGACCTGTAAACCCTGTATCATT  
GCTAAAGCTGTTCAATCAGACCAATGCAATGCTGGGAAAAAGACAGTGGTTTCAGAGTTCTATGAT  
GAAATGATATTTCAAGACCAACAGCAATGATGCAACAATTATTGACAACATCTCGTCAGCTAACATTAG  
GAGCCTATAAGCATGAAACAGAAATTTGCAGAGCTTGAAGTAAAACAGAGAAAAATTAGAAGCTGCTAA  
GAAAAAACAAGCTTTGAGATTGCAGAGCTTAAGGAGAGATTAAGCAAGTCGTGAAACTATAAATGT  
TAAAAAATGAAATCAGAAAACCTGAAGAAGATGACCAAGCAAAAGACATA

**ACGCGT**ACGCGGCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

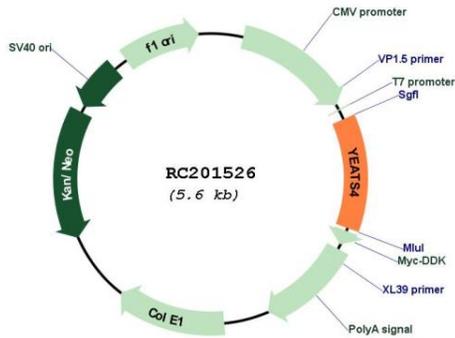


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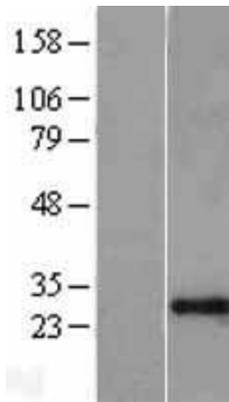


<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and 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>Note:</b>	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
<b>RefSeq:</b>	<a href="#">NM_006530.4</a>
<b>RefSeq Size:</b>	1509 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>MW:</b>	26.5 kDa
<b>Gene Summary:</b>	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]

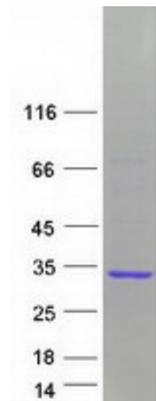
**Product images:**



Circular map for RC201526



Western blot validation of overexpression lysate (Cat# [LY401956]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201526 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified YEATS4 protein (Cat# [TP301526]). The protein was produced from HEK293T cells transfected with YEATS4 cDNA clone (Cat# RC201526) using MegaTran 2.0 (Cat# [TT210002]).