

## Product datasheet for **MG204715**

### Alg5 (NM\_025442) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Alg5 (NM_025442) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Alg5
Synonyms:	1500026A19Rik; 2600005J22Rik; AV009521; AV170001; AW545564
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG204715 representing NM_025442 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTACGCTGCTACTGCAGCTGCTGGGGCTCGGCGTGGCGCTGGCGGCTGCCGCGCTCATTCTGGTTT  
CCATTGTGGCGTTTATAACTGCTACAAAAATGCCACCATGTTACCAACATGAGGAAGAGAAATCTTCTCT  
CAATGCCAAAGGCCAGAAGGAAGCTCTCCCAGCATCTGGGACTCGCTACGAAACAGCTATCTGTTGTT  
GTGCCTTCTACAATGAAGAGAAACGGTTGCCTGTGATGATGGATGAAGCCCTGAACTACCTAGAAAAGA  
GACAGAAACATGATTGTACGTTACGTATGAGGTGATAGTGGTTGACGATGGCAGTGAAGACCAGACGTC  
AAAGGTGCTTTAAAATACTGCCAGAAATACGGAAGTGACAAAGTCCGGGTGATAACGCTGGTGGCGAAC  
CGTGGGAAAGGTGGTGTGTTAGGATGGGTGATTCAGTTCCTCGAGGAGAGAAGATCCTCATGGCAGATG  
CTGACGGAGCCACAAAGTTTCCAGATGTTGAGAAATTAGAAAAGGGGCTGAGTGTCTACAGCCATGGCC  
TGAGCAAATGGCTATTGCATGTGGGTCTCGAGCTCATCTGGAGAAAGAATCGATTGCTCAGCGCTTTAC  
TTCCGTACCTTTCTTATGTACGGATTCCATTCCTGGTGTGGTTCTCTGTGTCAAAGGAATCAGGGACA  
CACAGTGGCGGTTCAAATTAAGTACCCGAGAAGCAGCAGCCCGGACCTTCTCGTCTCTGCACATTGAACG  
ATGGGCATTTGATGTAGAGCTGCTGTACATAGCACAGTGTCTTCAAATCCAATAGCAGAAGTTGCTGTC  
AACTGGACAGAAATTGAGGGTTCAAGTTAGTTCCATTCTGGAGCTGGCTACAAATGGGCAAAGACCTGC  
TTTTATCCGACTTCGGTATCTGACGGGTGCCTGGAGGCTCAAGCAAACCGGAAAGCGAGT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG204715 representing NM\_025442  
 Red=Cloning site Green=Tags(s)

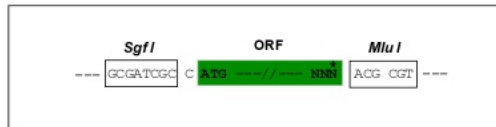
MATLLLQLLGLGVALAAAALILVSIVAFITATKMPPCYQHEEEKFFLNAKGQKEALPSIWDSPTKQLSVV  
 VPSYNEEKRLPVMMDEALNYLEKRQKHDCTFTYEIVVDDGSEDQTSKVALKYCQKYGSDKVRVITLVRN  
 RGKGGAVRMGVFSSRGEKILMADADGATKFPDVEKLEKGLSDLQPWPEQMAIACGSRAHLEKESIAQRSY  
 FRTFLMYGFHFLVWFLCVKGIKIRDTQCGFKLLTREAAARTFSSLHIERWAFDVELLYIAQCLQIPIAEVAV  
 NWTEIEGSKLVPFWSLQMGKDLLFIRLRYLTGAWRLKQTRKAS

TRTRPLE - GFP Tag - V

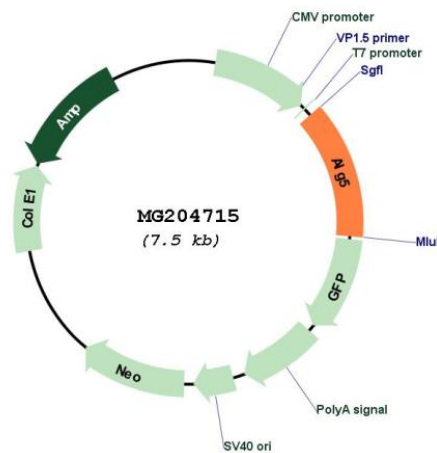
**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



**Plasmid Map:**



**ACCN:** NM\_025442

**ORF Size:** 972 bp

<b>OTI Disclaimer:</b>	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>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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_025442.3</a> , <a href="#">NP_079718.1</a>
<b>RefSeq Size:</b>	1472 bp
<b>RefSeq ORF:</b>	975 bp
<b>Locus ID:</b>	66248
<b>UniProt ID:</b>	<a href="#">Q9DB25</a>
<b>Cytogenetics:</b>	3 C