

## Product datasheet for **MG205821**

### Tial1 (BC010496) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tial1 (BC010496) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Tial1
Synonyms:	5330433G13Rik; AL033329; mTIAR; TIAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG205821 representing BC010496 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGAAGACGACGGACAGCCCCGGACTCTATACGTAGGTAACCTCTCCAGAGATGTGACAGAAGTCC  
TTATTCTTCAGTTATTCAGTCAGATCGGACCCTGTAAAAGCTGTAAAATGATAACAGAGCATACAAGCAA  
TGACCCATATTGCTTTGTGGAATTTTATGAACACAGAGATGCAGCTGCTGCATTAGCTGCTATGAATGGG  
AGAAAAATTTGGGAAAGGAGGTCAAAGTAAACTGGGCAACAACACCAAGTAGCCAGAAAAAGATACTT  
CCAATCACTTCCATGTGTTTGTGGGATTTGAGTCCAGAAATTACAACAGAAGATATCAATCAGCATT  
TGCCCCCTTTGGTAAAATATCGGATGCCCGGGTAGTTAAAGACATGGCAACTGAAAAGTCCAAAGGCTAT  
GGTTTTGTATCTTTTATAACAACTGGATGCAGAGAATGCAATTGTGCATATGGGGGTGAGTGGTTGG  
GAGGTCGACAAATCAGAACCAATTGGGCCACACGTAAACCACTGCCCTAAAAGTACACAAGAACTAA  
CACTAAGCAGTTGAGATTTGAAGATGTAGTAAACCAGTCAAGTCCAAAAACTGTACTGTGTACTGTGGA  
GGAATTGCTTCGGGGCTGACAGATCACTTATGAGACAAACATTTTACCATTGGACAAATATGGAAA  
TACGAGTTTTCCAGAGAAGGGCTATTCGTTTGTGAGATTTTCCACTCACGAGAGTGCAGCCACGCCAT  
TGTCTCTGTGAACGGCACTACAATCGAAGGACATGTGGTGAATGCTATTGGGGTAAAGAATCTCCTGAT  
ATGACTAAAACTTCCAACAGTTGACTACAGTCAGTGGGGCCAGTGGAGCCAAGTGTATGGAAACCCAC  
AACAGTATGGACAGTATATGGCAAATGGGTGGCAAGTACCACCCTATGGAGTATATGGGCAGCCGTGGAA  
CCAACAAGGATTTGGAGTAGATCAATCCCCTTCTGCTGCTTGGATGGGTGGATTTGGTGCTCAGCCTCCT  
CAAGGACAAGCCCTCCCCTGTAATACCTCCTCAAACCAAGCTGGGTATGGAATGGCAAGCTTCCCGA  
CACAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG205821 representing BC010496  
Red=Cloning site Green=Tags(s)

MMEDDGGPRTL YVGNLSRDVTEV LILQLFSQIGPCKSCKMITEHTSNDPYCFVEFYEHRAAAAALAMNG  
 RKILGKEVKVNWATTPSSQK KDTSNH FHFVGDLSPEITTEDIKSAFAPFGKISDARVVKDMATGKSKGY  
 GFVSFYNKLDAENAIVHMGGQWLGGRRQIRTNWATRKPAPKSTQETNTKQLRFEDVVNQSSPKNCTVYCG  
 GIASGLTDQLMRQTFSPFGQIMEIRVVFPEKGYFVRFSTHESAHAIVSVNGTTIEGHVVKCYWGKESPD  
 MTKNFQQVDYSQWQWSQVYGNPQQYGGQYMANGWQVPPYGVYGPWNQQGFVDQSPSAAWMGFGAQQP  
 QGQAPPPVIPPNQAGYMASFPTQ

TRTRPLE - GFP Tag - V

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2351\\_a05.zip](https://cdn.origene.com/chromatograms/ja2351_a05.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



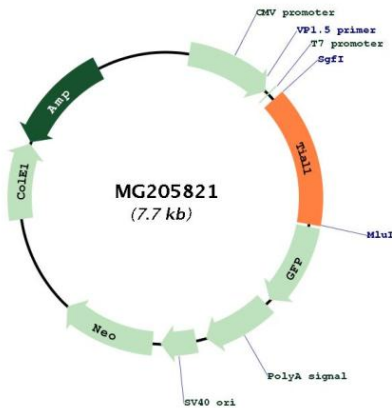
**ACCN:** BC010496

**ORF Size:** 1125 bp

**OTI Disclaimer:** 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 [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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. [More info](#)

<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="#">BC010496</a> , <a href="#">AAH10496</a>
<b>RefSeq Size:</b>	2039 bp
<b>RefSeq ORF:</b>	1127 bp
<b>Locus ID:</b>	21843
<b>Cytogenetics:</b>	7 F3
<b>Gene Summary:</b>	RNA-binding protein. Possesses nucleolytic activity against cytotoxic lymphocyte target cells. May be involved in apoptosis (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MG205821