

## Product datasheet for MR205821

### Tial1 (BC010496) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tial1 (BC010496) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Tial1
Synonyms:	5330433G13Rik; AL033329; mTIAR; TIAR
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205821 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGATGGAAGACGACGGACAGCCCCGGACTCTATACGTAGGTAACCTCTCCAGAGATGTGACAGAAGTCC  
TTATTCTTCAGTTATTCAGTCAGATCGGACCCTGTAAAAGCTGTAAAATGATAACAGAGCATACAAGCAA  
TGACCCATATTGCTTTGTGGAATTTTATGAACACAGAGATGCAGCTGCTGCATTAGCTGCTATGAATGGG  
AGAAAAATTTGGAAAGGAGGTCAAAGTAAACTGGGCAACAACCAAGTAGCCAGAAAAAGATACTT  
CCAATCACTTCCATGTGTTTGTGGGATTTGAGTCCAGAAATACAACAGAAGATATCAATCAGCATT  
TGCCCCCTTTGGTAAAATATCGGATGCCCGGTAGTTAAAGACATGGCAACTGAAAAGTCCAAAGGCTAT  
GGTTTTGTATCTTTTTATAACAACTGGATGCAGAGAATGCAATTGTGCATATGGGGGTGAGTGGTTGG  
GAGGTCGACAAATCAGAACCAATTGGGCCACACGTAAACCACCTGCCCTAAAAGTACACAAGAACTAA  
CACTAAGCAGTTGAGATTTGAAGATGTAGTAAACCAGTCAAGTCCAAAAACTGTACTGTGTACTGTGGA  
GGAATTGCTTCGGGGCTGACAGATCACTTATGAGACAAACATTTTACCATTGGACAAATATGGAAA  
TACGAGTTTTCCAGAGAAGGGCTATTCGTTTGTGAGATTTTCCACTCACGAGAGTGCAGCCACGCCAT  
TGTCTCTGTGAACGGCACTACAATCGAAGGACATGTGGTGAATGCTATTGGGGTAAAGAATCTCCTGAT  
ATGACTAAAACTTCCAACAGTTGACTACAGTACAGTGGGGCCAGTGGAGCCAAGTGTATGGAAACCCAC  
AACAGTATGGACAGTATATGGCAAATGGGTGGCAAGTACCACCCTATGGAGTATATGGGCAGCCGTGGAA  
CCAACAAGGATTTGGAGTAGATCAATCCCCTTCTGCTGCTTGGATGGGTGGATTTGGTGCTCAGCCTCCT  
CAAGGACAAGCCCTCCCCTGTAATACCTCCTCAAACCAAGCTGGGTATGGAATGGCAAGCTTCCCGA  
CACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR205821 protein sequence  
 Red=Cloning site Green=Tags(s)

MMEDDGGPRTLYVGNLSRDVTEVLILQLFSQIGPCKSCKMITEHTSNDPYCFVEFYEHRDAAAALAMNG  
 RKILGKEVKVNWATTPSSQKKDTSNHFHVFGDLSPEITTEDIKSAFAPFGKISDARVVKDMATGKSKGY  
 GFVSYFNKLDNAENAIVHMGGQWLGGRRQIRTNWATRKPAPKSTQETNTKQLRFEDVNVQSSPKNCTVYCG  
 GIASGLTDQLMRQTFSPFGQIMEIRVFPEKGYSFVRFSTHESAHAIVSVNGTTIEGHVVKCYWGKESPD  
 MTKNFQQVDYSQWQWSQVYGNPQQYGGQYMANGWQVPPYGVYGGPWNQQGFGVDQSPSAAWMGFGAQQP  
 QGQAPPPVIPPPNQAGYGMASFPTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** BC010496

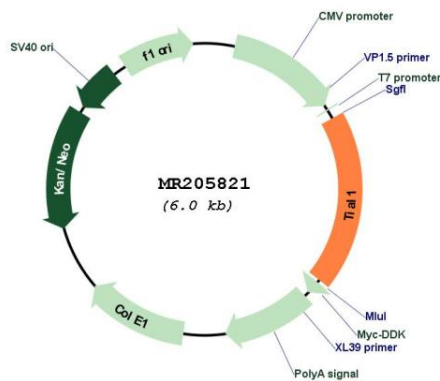
**ORF Size:** 1125 bp

**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](#)

**OTI Annotation:** 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>	<u>BC010496</u> , <u>AAH10496</u>
<b>RefSeq Size:</b>	2039 bp
<b>RefSeq ORF:</b>	1127 bp
<b>Locus ID:</b>	21843
<b>Cytogenetics:</b>	7 F3
<b>MW:</b>	41.5 kDa
<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 MR205821