

## Product datasheet for **RR212501**

### Tial1 (NM\_001013193) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tial1 (NM\_001013193) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Tial1  
**Synonyms:** MGC109552  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR212501 representing NM\_001013193  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGATGGAAGACGACGGACAGCCCCGGACTCTATACGTAGGTAACCTCTCCAGAGATGTGACAGAAGTCC  
TTATCCTTCAGTTATTCAGTCAGATCGGACCCTGTAAAAGCTGTAAAATGATAACAGAGCAACCCGATAG  
CAGAAGGGTCAACTCTTCTGTTGGATTTCTGTTTTGCAGCATACAAGCAATGACCCATATTGCTTTGTG  
GAATTTTATGAACACAGAGATGCAGCTGCTGCATTAGCTGCTATGAATGGGAGAAAAATTTGGGAAAGG  
AGGTCAAAGTAACTGGGCAACAACACCAAGTAGCCAGAAAAAGACACTTCCAATCACTCCATGTGTT  
TGTTGGGGATTTGAGTCCAGAAATTACAACAGAAGATATCAAGTCAGCATTGGCCCTTTGGTAAAATA  
TCGGATGCCCGGGTAGTTAAAGATATGGCAACTGGAAAGTCCAAAGGCTATGGTTTTGTATCTTTTTATA  
ACAAACTGGATGCAGAGAATGCAATTGTGCATATGGGGGGTCAGTGGTTGGGAGGTCGACAAATCAGAAC  
CAATTGGGCCACACGTAACACCTGCCCTAAAAGTACACAAGAACTAACACTAAGCAGTTGAGATTT  
GAAGATGTAGTAAACAGTCAAGTCCAAAAACTGCACGTGTACTGTGGGGGATCGCTTCGGGGCTGA  
CAGATCAACTTATGAGACAAACATTTTACCATTTGGACAAATTATGGAGATAAGAGTTTTCCAGAGAA  
GGGGTATTCGTTTTGTCAGATTTTCAACTCATGAAAGTGCAGCCCATGCTATTGTTTTCTGTGAACGGTACT  
ACAATCGAAGGACATGTGGTTAAATGCTATTGGGGTAAAGAATCTCCTGATATGACTAAAAACTTCCAAC  
AGGTTGACTACAGTCAGTGGGGCAATGGAGCCAAGTGTATGGAAACCCACAACAGTACGGACAGTATAT  
GGCAAAATGGGTGGCAAGTACCTCCCTATGGAGTATATGGGCAGCCATGGAACCAACAAGGATTTGGAGTA  
GATCAATCACCTTCTGCTGCTTGGATGGGTGGATTTGGTGTCTCAGCTCCACAAGGACAAGCTCCGCCCC  
CTGTCATACCTCTCAAACCAAGCTGGGTATGGAATGGCAAGTTTCCCAACACAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212501 representing NM\_001013193  
 Red=Cloning site Green=Tags(s)

MMEDDGGPRTL YVGNLSRDVTEV LILQLFSQIGPCKSCKMITEQPDSRRVNSSVGF SVLQHTSNDPYCFV  
 EFYEHRDAAAAL AAMNGRKILGKEVKVNWATTPSSQK KDTSNHFHVFGDL SPEITTEDIKSAFAPFGKI  
 SDARVVKDMATGKSKGYGFVSFYNKLDAENAI VHMGGQWL GGRQIRTNWATR KPPAPKSTQETNTKQLRF  
 EDVVNQSSPKNCTVYCGGIASGLTDQLMRQTF SPFGQIMEIRVFP EKGYSFVRFSTHESAHA IIVSVNGT  
 TIEGHVVKCYWGKESPDMTKNFQQVDYSQWGW SQVYGNPQQYGYQY MANGWQVPPYGVYQGPWNQQGFV  
 DQSPSAAWMGGF GAQPPQQAAPPVIPP NQAGYGMASFTQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

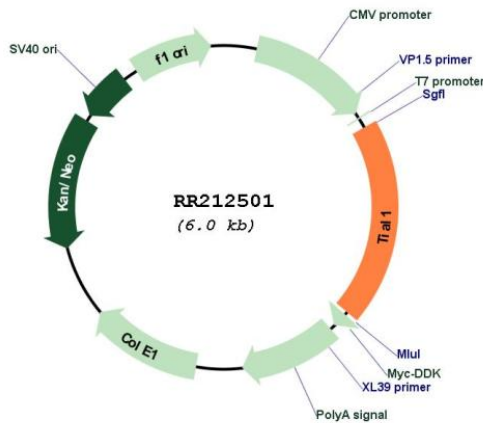
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_001013193

|                               |   |
|-------------------------------|---|
| <b>ORF Size:</b>              | 1176 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_001013193.1</a> , <a href="#">NP_001013211.1</a>   |
| <b>RefSeq Size:</b>           | 1680 bp   |
| <b>RefSeq ORF:</b>            | 1179 bp   |
| <b>Locus ID:</b>              | 361655  |
| <b>Cytogenetics:</b>          | 1q37  |
| <b>MW:</b>                    | 43.4 kDa  |