

Product datasheet for **RN216751**

Tom111 (NM_001253859) Rat Untagged Clone

Product data:

| | |
|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | Tom111 (NM_001253859) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Tom111 |
| Synonyms: | RGD1562626; Srcasm |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >RN216751 representing NM_001253859
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGTTTGGGAAGAGTCACCGGATCCCTACGCTACCTCTCTGGGTCACCTCATAGAAAAGGCCACCT
 TTGCTGGAGTTCAGACAGAAGACTGGGGCAGTTCATGCATATCTGTGACATAATTAACACCACACAAGA
 CGGGCCAAAAGATGCAGTAAAAGCTTTGAGAAAAGGATCTCAAAAACACAACCACAAAAGAAATCCAA
 CTTTCCTTATCACTCATTGACATGTGCATGCAGAACTGTGGGCGAGTTTCCAATCTCTGATTGTGAAGA
 AGGAGTTCGTTAAAGATACTCTAGTTAAGCTGCTGAACCCAGATACACCTTACC GTTGGAGACTCAGAA
 CAGAATCTTGAGTTTCATTAAGATGTGGTCCCAGGGCTTCCCGGAGGTGTAGATGTCAGTGAAGTGAAG
 GAAGTGTACCTCGACCTGCTGAAGAAAGGGTTCAATCCACCCTTGGATGGAGAGCCTGAGACAAAAC
 AGGAGGCTGGTCAGATCTACCAAGTCGACCGACATCTGTCCCCTGCGCCTGCTTTTCTTCTATAAT
 TGCTCCCAAGAACCCGACTATTTCTTAGTCCCTGAACAGATCGGAAACTGCACAGTGAAGTGGACATG
 GTGAAAATGAACGTGAAAGTGTGACAGCCATATTGATGGAGAACACTCCTGGCTCCGAAAACCATGAAG
 ACATAGAGCTCCTGAGGAACTTACAAGACGGGTCGGGAGATGCAGGAGAGGATCATGGACCTGCTGGT
 GGTAGTTGAGAATGAAGACGTGACAGTGGAACTGATTCAAGTGAACGAGGATCTGAATAATGCCATCCTC
 GGATACGAGAGGTTTACTCGAAACCAGCAAAGGCTTTTGGAACAGAAGAGGAACCCGACGGAAAGCCAATA
 CTTCCAGCGAACCTCTGCTCCTTCTGCGATCTCCTCAACCTAGGTCCCGTGGCGCCAGTGCCTGTGTC
 CAGTGAGGGACCACTCAACTCCGTGAACGCTCAGCTTCCGGCCTAAATGTCAGCTCTCAGAGTCTGTT
 ATAACAAACAACCTGTATCCAGTCTTCAGCCACAGATGGATTTACTAGCATCAGAAGATACAGAAGTAC
 CCACCTTGTTTCCCAGAGGACCAGCCAAAACCTCGCCTCAAGCCACACATATGATAACTTCCGGATCA
 CTCAGTTTCAGTATTGCTACAGCCAGTTAGCCTACACACTGCCCGGCAGCGCCGTCGAGCCAGAGGCTG
 CCACCCTTGCCGAGCAATCATCCAGTGTTAAAAACAGTGCTCTCCAACCCAGTTACTACGAGGTAA
 TGGAGTTTGATCCCTTAGCTCCCACTACAGAAGCTATTTATGAAGAAATTGATGTTCCCAAGAAAGG
 AGCTCAAAGCCATAGTGAATGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001253859
- Insert Size:** 1425 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- Components:** 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).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
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.

RefSeq: [NM_001253859.1](#), [NP_001240788.1](#)

RefSeq Size: 2289 bp

RefSeq ORF: 1425 bp

Locus ID: 287622

Cytogenetics: 10q26