

## Product datasheet for **RN215321**

### Tom1 (NM\_001008365) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tom1 (NM_001008365) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tom1
Synonyms:	MGC95142
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN215321 representing NM\_001008365  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGACTTTCTCCTGGGAAACCGTTTCAGTTCTCCCGTGGGACAGCGGATCGAGAAAGCTACAGATGGCT  
CCCTGCAGAGCGAGGACTGGGCCCTCAACATGGAGATCTGTGACATCATCAATGAGACCGAGGAAGGCC  
CAAAGATGCCTTCCGAGCAGTGAAGAAGCGAATTGTGGGAATAAGAATTTCCATGAGGTCATGCTGGCC  
CTTACGGTCTTGAAACTTGTGTTAAGAACTGCGGGCACCGCTTCCATGTCCTGGTGGCCAGCCAGGACT  
TTGTAGAGAATGTGCTGGTGAAGACCATCTGCCGAAGAACAATCCACCCACCATCGTGCATGACAAGGT  
GTTGAACCTCATCCAGTCTGGCAGACGCATTCCGCAGCTCACCTGATTTGACAGGTGTTGTTGCTGTC  
TACGAGGACCTGCGAAGGAAGGGCTAGAATTTCCATGACTGACCTGGACATGCTGTCGCCATCCATA  
CACCCAGAGAACTGTATCAACTCAGAGACACCATCCAGACAGAACCCCGTGGTCTCCAACAGCAGTCA  
TCGCGGAGACCTGAGCCAGCATGCCACCCACTGCCACTCCAGCTGTTCTCCCTGGTGATTCACCCATC  
ACACCAACTCCTGAGCAGATTGGGAAGCTGCGCAGTGAGCTGGAGATGGTGAACGGAAATGTTCCGAGTGA  
TGTCAGAGATGCTGACAGAGCTGGTGCCACCCAGGTAGAGCCCGCAGACCTGGAGCTACTACAGGAACT  
CAACCGCACCTGCCGCGCCATGCAGCAACGGATCCTGGAGCTTATCCCACGCATCTCCAACGAGCAGCTG  
ACAGAGGAGCTTCTCATGATCAATGACAACCTCAACAATGTGTTTCTGCGCCATGAACGGTTTGAACGCT  
TCCGAACAGGCCAGACTGCCAAGGCCTCCGGTGAAGCTGAGCTAGCAGCTGACCTGATTGACATGGGCC  
TGACCCCGCAGCCACCAGCAACCTCTCATCCAACTGGCAGGAGTGGACCTTGGCTCCAGCAGGGTGAAG  
GCTGGCCTGCAGTCTCTGGAAGCGTCTGGTCACTGGAAGATGACTTTGACATGTTTGTCTGACTCGGG  
GCAGCTCCCTGGCTGATCAACGGAAAGGGTCAAATACGAGGCTCCCAAACCACAGATGGCCTGGCTGG  
GGCCCTGGATGCCCGGCAGCAGAGCACCGGGCGATCCCGGCCACACAGGCCCGCATCATGGAGGACATT  
GAGCAGTGGCTGTCCACCGATGTGGGGAGCAGTCTGAGGAGCCCTCTGGTGTCCACAGTGAAGAATTTG  
ACAAATTCCTGGAAGAAAGAGCCAAAGCTGCCGATCGACTTCCAACTGGCCAGCCCTTCAAGCCGAGGG  
ACCCCCAGACCGTGTCTGGAGCAGCCCTCGGAGGAAGACGCAGGAGAAGGATGATGATGTGCTGTTT  
GCCTTATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001008365

**Insert Size:** 1479 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).

**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\\_001008365.1](#), [NP\\_001008366.1](#)

**RefSeq Size:** 2244 bp

**RefSeq ORF:** 1479 bp

**Locus ID:** 361370

**Cytogenetics:** 19p11