

## Product datasheet for **MC216818**

### Tom1 (NM\_011622) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tom1 (NM_011622) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tom1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216818 representing NM\_011622  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACTTTCTCCTGGGAAATCCGTTCCAGTCTCCGGTGGGACAACGGATCGAGAAAGCTACAGATGGCT  
CCCTGCAGAGCGAGGACTGGGCCCTCAACATGGAAATCTGTGACATCATCAACGAGACGGAGGAAGGCC  
CAAAGATGCCTTCCGAGCAGTGAAGAAGCGAATTATGGGGAATAAGAATTTCCATGAGGTCATGTGGCC  
CTTACGGTCTTGAAACATGTGTTAAGAACTGTGGGCACCGCTTCCATGTAAGTGGCCAAACAGGACT  
TTGTAGAGAATGTGCTGGTGAGGACCATCTGCCGAAGAACAATCCACCCACCATTGTGCATGACAAGGT  
GTTGAACCTCATCCAGTCTGGGCTGACGCGTTCGCGAGCTCACCTGATTTGACAGGTGTTGTTGCTGTC  
TACGAGGACCTGCGAAGGAAGGGCTAGAATTTCCATGACTGACCTGGACATGCTGTCGCCATCCACA  
CACCCAGAGAACTGTATCAACTCAGAGACACCATCCAGACAGAATCTGTGAGTTCCAACACCAGTCA  
GCGTGGAGACCTGAGCCAGCATGCCACCCTCTGCCACTCCAGCTGTTCTCCCGGGTGACTCACCCATC  
ACACCGACTCCTGAGCAGATTGGGAAGCTGCGCAGTGAGCTGGAGATGGTGAGCGGAAAGGTGCGAGTGA  
TGTCAGAGATGCTGACAGAGCTGGTGCCACCCAGGTAGAGCCTGCAGACCTGGAGCTACTACAGGAACT  
GAACCGCACCTGCCGTGCCATGCAGCAGCGGATCCTGGAGCTTATCCCACGCATCTCAAATGAGCAGCTG  
ACGGAGGAGCTGCTCATGATCAACGACAACCTCAACAACGTGTTTCTGCGCCATGAACGGTTTGAACGCT  
TCCGAACAGGCCAGACTGCTAAGGCCTCCAGTGAAGCTGAGCTAGCTACTGACCTGATTGACATGGGTCC  
TGACCCCGCAGCCACAAACAACCTCTCATCTCAACTGGCAGGAATGAACCTTGGCTCCAGAAGTGTGAGA  
GCTGGCCTGCAGTCTCTGGAGACCTCAGGTACCTGGAAGATGACTTTGACATGTTTGTCTGACTCGGG  
GGCCCTAGATGCCCGGCAGCAGAGCACGGAGCGATCCCAGCCACTCAGGCCCGCATCATGGAGGACATT  
GAGCAGTGGCTGTCCACAGATGTGGGAACAGTCTGAGGAGCCCTCTGGTGTCACCAAGTGAAGAATTTG  
ACAAATTTCTGGAAAGCAGGCCAAAGCTGCTGATCGACTTCCCAACCTGGCCAGCCCTCAGCCGAGGG  
ACCCCCAGACCATCTCTGGAACAGCCCTCGGAGGAAGACCCAGGAGAAGGACGATGACATGCTGTTT  
GCCTTATGA

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC  
TGGATTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-RsrII

**ACCN:** NM\_011622

**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\\_011622.3](#), [NP\\_035752.1](#)

**RefSeq Size:** 2286 bp

**RefSeq ORF:** 1479 bp

**Locus ID:** 21968

**UniProt ID:** [O88746](#)

**Cytogenetics:** 8 C1

**Gene Summary:** May be involved in intracellular trafficking. Probable association with membranes.  
[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) lacks an alternate in-frame exon in the coding region compared to variant 2. The resulting protein (isoform 1) is shorter but has the same N- and C-termini compared to isoform 2. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.