

Product datasheet for **MC217292**

Tom1 (NM_001136259) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tom1 (NM_001136259) 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: >MC217292 representing NM_001136259
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGACTTTCTCCTGGGAAATCCGTTCCAGTCTCCGGTGGGACAACGGATCGAGAAAGCTACAGATGGCT
 CCCTGCAGAGCGAGGACTGGCCCTCAACATGGAAATCTGTGACATCATCAACGAGACGGAGGAAGGCC
 CAAAGATGCCTTCCGAGCAGTGAAGAAGCGAATTATGGGGAATAAGAATTTCCATGAGGTCATGTGGCC
 CTTACGGTCTTGAAACATGTGTTAAGAACTGTGGGCACCGCTTCCATGTAAGTGGCCAAACAGGACT
 TTGTAGAGAATGTGCTGGTGGAGACCCTCTGCCGAAGAACAATCCACCCACCATTGTGCATGACAAGGT
 GTTGAACCTCATCCAGTCTGGGCTGACGCGTTCGCAGCTCACCTGATTTGACAGGTGTTGTTGCTGTC
 TACGAGGACCTGCGAAGGAAGGGCTAGAATTTCCATGACTGACCTGGACATGCTGTCGCCATCCACA
 CACCCAGAGAACTGTATTCAACTCAGAGACACCATCCAGACAGAATCTGTGAGTTCCAACACCAGTCA
 GCGTGGAGACCTGAGCCAGCATGCCACCCTCTGCCACTCCAGCTGTTCTCCCGGTGACTCACCCATC
 ACACCGACTCCTGAGCAGATTGGGAAGCTGCGCAGTGAGCTGGAGATGGTGGAGCGAAACGTGCGAGTGA
 TGTCAGAGATGCTGACAGAGCTGGTGCCACCCAGGTAGAGCCTGCAGACCTGGAGCTACTACAGGAACT
 GAACCGCACCTGCCGTGCCATGCAGCAGCGGATCCTGGAGCTTATCCCACGCATCTCAAATGAGCAGCTG
 ACGGAGGAGCTGCTCATGATCAACGACAACCTCAACAACGTGTTTCTGCGCCATGAACGGTTTGAACGCT
 TCCGAACAGGCCAGACTGCTAAGGCCTCCAGTGAAGCTGAGCTAGCTACTGACCTGATTGACATGGGTCC
 TGACCCCGCAGCCACAAACAACCTCTCATCTCAACTGGCAGGAATGAACAATCGACTGCTCAGCCTCAGT
 AATCACTTCTACTTGAAGAAGGAAAGAAGGAATGGGCCCTCTTCAAGACCTTGGCTCCAGAAGTGTGA
 GAGCTGGCTCAGTCTCTGGAGACCTCAGGTACCTGGAAGATGACTTTGACATGTTTGGCTCTGACTCG
 GGGCAGCTCACTGGCTGACCAACGGAAGGGGTCAAATATGAAGCTCCCCAAACCACAGATGGCCTGGCT
 GGGGCCCTAGATGCCCGCAGCAGAGCACCGGAGCGATCCCAGCCACTCAGGCCGCATCATGGAGGACA
 TTGAGCAGTGGCTGTCCACAGATGTGGGAAACAGTGTGAGGAGCCCTCTGGTGTACCAGTGAAGAATT
 TGACAAATTTCTGGAAGAACGAGCCAAAGCTGTGATCGACTTCCCAACCTGGCCAGCCCTTCAGCCGAG
 GGACCCCCAGACCATCTCTGGAACAGCCCTCGGAGGAAGACCCAGGAGAAGGACGATGACATGCTGT
 TTGCCTT**ATGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-RsrII
- ACCN:** NM_001136259
- Insert Size:** 1551 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_001136259.1](#), [NP_001129731.1](#)

RefSeq Size: 2358 bp

RefSeq ORF: 1551 bp

Locus ID: 21968

Cytogenetics: 8 C1

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

Transcript Variant: This variant (2) represents the longer transcript and encodes the longer protein (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.