

## Product datasheet for **MG202703**

### Tom111 (BC004710) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tom111 (BC004710) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Tom111  
**Synonyms:** 2310045L10Rik; C80573; Srcasm  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG202703 representing BC004710  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCAGGAGAGGATCATGGACCTGCTGGTGGTGGAAAATGAAGACGTGACTATGGAGCTAATCAAG  
TGAACGAGGATCTGAATAATGCCGTCCTTGATATGAGAGGTTTACTCGAAACCAACAAAGGCTTTTGA  
ACAGAAGAGGAACCGGACAGAAGCAACCCGTAATCCAGCGAGCCCTCTGCTCCTCCTGCGATCTCCTC  
GACCTAAGCCCCATCGTGCCAGTGCCTACGCCAATGAGGGAGCACTCAACTCCGTGAACGCCCAGCTTT  
CAGGCCTAAGTGTGAGCTCTCTGAGCCCTGTTATAACAAACAACCTGTATCCCAGTCTTCAGCCACAGAG  
GGATTTACTAGCATCAGAAGATATAGAAATACCCACCTTGTTCCTCCAGAGGACCAGCCAAAACCTCGCC  
TCGAGTCACACATATGATAATTTCACTCCAATTCAGTATTACTCCAGCCAGTTAGCCTACACACCGCCA  
CAGCAGCAGCAGCAAACAGAGGCTGCCACCCTTGCCAAGCAGTCATCCAGTGTAAAGACGGCGA  
TCTCCAGCCACCAATTACTACGAGGTAATGGAGTTTGTATCCCTTAGCTCCCACTACAGAAGCTGTTAT  
GAAGAAATTGATGGTTACCACCAGAAAGAAGCTCAAAGTCATAGTGACTGC

**ACGCGT**ACGCGGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >MG202703 representing BC004710  
 Red=Cloning site Green=Tags(s)

MQERIMDLLVVVENEDVTMELIQVNEDLNNAVLGYERFTRNQQRLLQKRNRTAERTSSEPSAPSCDLL  
 DLSPVIPVPTPNEGALNSVNAQLSGLSVSSLSPVITNNLYPSLQPQRDLLASEDIEIPTLFPQRTSQNLA  
 SSHTYDNFHSNSVLLQPVS LHTATAAAAAANQRLPPLPSSHVPLKDGDLQPPNYEVMFEDPLAPTEAVY  
 EEIDGYHQKEAQSHSDC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** BC004710

**ORF Size:** 683 bp

**OTI Disclaimer:** 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. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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:** [BC004710](#), [AAH04710](#)

**RefSeq Size:** 2466 bp

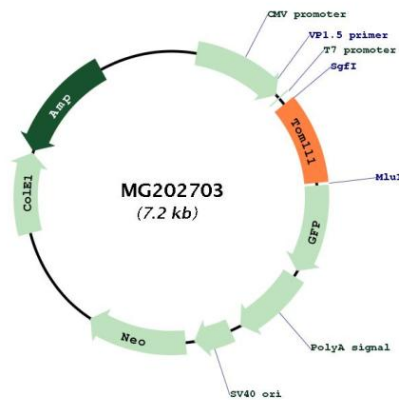
**RefSeq ORF:** 683 bp

**Locus ID:** 71943

**Cytogenetics:** 11 55.47 cM

**Gene Summary:** Probable adapter protein involved in signaling pathways. Interacts with the SH2 and SH3 domains of various signaling proteins when it is phosphorylated. May promote FYN activation, possibly by disrupting intramolecular SH3-dependent interactions. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG202703