

## Product datasheet for **MG221587**

### Tnnt3 (NM\_001163670) Mouse Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tnnt3 (NM\_001163670) Mouse Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** Tnnt3  
**Synonyms:** fTnT  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >MG221587 representing NM\_001163670  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGACGAGGAACTGAACAAGTTGAGGAGGAGGCCCAAGAGGAAGAGGAAGTCCAAGAAGAGGAGA  
AACCAAGACCCAACTTACTGCTCCTAAGATCCCAGGAGGGGAGAAAGTAGACTTTGATGACATCCAGAA  
GAAGCGTCAAACAAGGACCTCATGGAGCTCAAGCCCTCATTGACAGCCACTTTGAAGCTAGAAAGAAA  
GAAGAAGAGGAGCTAATCGCACTTAAAGAAAGAATTGAGAAGCGCCGTGCAGAGAGGGCTGAGCAGCAA  
GAATTCGCGCTGAGAAGGAGCGGGAACGCCAGAACAGATTGGCGGAGGAGAAGGCCAGAAGAGAGGAGGA  
GGATGCCAAGAGGAGAGCTGAAGATGACATGAAGAAGAAAAGGCTCTGTCTCCATGGGTGCCAACTAC  
AGCAGCTACCTGGCCAAGGCTGACCAGAAGAGAGGCAAGAAAACAGACAGCCCGGAAATGAAAAAGAAGA  
TTCTTGCCGAAAGGCGCAAGCCTCTGAACATTGACCATCTTAGCGATGACAAGCTGAGGGACAAGGCCAA  
GGAAGCTGGGATACCTTGTACCAACTGGAGACTGACAAATTCGAGTTTGGGGAGAAGCTGAAACGTCAG  
AAATATGATATCACCCCTCAGGAGCCGCATTGACCAAGCCCAGAAGCACAGCAAGAAGGCCGGTGCCA  
CAGCCAAGGGCAAAGTCGGTGGGCGCTGGAAG

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA



[View online »](#)

**Protein Sequence:** >MG221587 representing NM\_001163670  
Red=Cloning site Green=Tags(s)

MSDEETEQVEEEAQEEEEVQEEKPRPKLTAPKIPEGEKVFDDIQKKRQNKDLMELQALIDSHFEARKK  
 EEEELIALKERIEKRAERAEEQQRIRAEKERERQNLRAEEKARREEEDAKRRAEDDMKKKKALSSMGANY  
 SSYLAKADQKRGGKQTAREMKKKILAERRKPLNIDHLSDDKLRDKAKELWDTLYQLETDKFEFGEKLRQ  
 KYDITTLRSRIDQAQKHSKKAGATAKGVGGRWK

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001163670

**ORF Size:** 732 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:** [NM\\_001163670.1](#), [NP\\_001157142.1](#)

**RefSeq Size:** 1024 bp

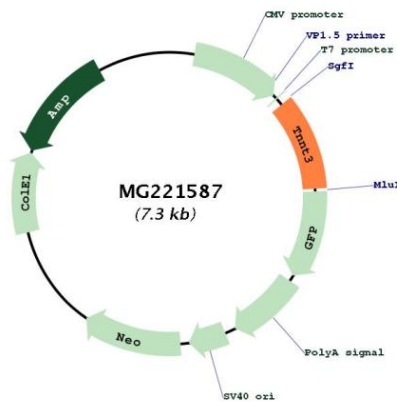
**RefSeq ORF:** 735 bp

**Locus ID:** 21957

**Cytogenetics:** 7 87.94 cM

**Gene Summary:** Troponin T is the tropomyosin-binding subunit of troponin, the thin filament regulatory complex which confers calcium-sensitivity to striated muscle actomyosin ATPase activity. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG221587