

## Product datasheet for **MC209565**

### Tnnt2 (NM\_011619) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tnnt2 (NM\_011619) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tnnt2  
**Synonyms:** cTnT; Tnt  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC209565 representing NM\_011619  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTCTGACGCCGAGGAGGTGGTGGAGGAGTACGAGGAGGAACAGGAAGAGCAAGAGGAGGCAGTGGAGG  
AGGAGGAGGCTGGTGGGGCTGAACCTGAGCCTGAGGGTGAGGCTGAGACAGAGGAGGCCAACGTAGAAGA  
GGTTGGTCTGATGAAGAAGCCAAGATGCTGAAGAAGTCCAGTAGAGGACACCAAACCAAGCCAGC  
AGGCTCTTCATGCCCAACTTGGTGCCACCAAGATCCCCGATGGAGAGAGTGGACTTTGATGACATCC  
ACAGGAAGCGCGTGGAGAAGGACCTGAATGAGCTACAGACTCTGATCGAGGCTCACTTCGAGAACAGGAA  
GAAGGAGGAAGAGGAGCTGATTTCCCTCAAAGACAGGATCGAAAAGCGTCGGGCAGAGCGGGCCGAGCAG  
CAGCGTATTCGCAATGAGCGGGAGAAGGAAAGGCAGAACCGCCTGGCTGAAGAGAGGGCCCGCGCTGAGG  
AGGAGGAGAACAGGAGGAAGGCTGAGGATGAGGCCGGAAGAAGAAGGCTCTGTCCAACATGATGCACTT  
TGGAGGGTACATCCAGAAGACAGAGCGGAAGAGTGGGAAGAGACAGACAGAGAGAGAGAAGAAGAAGAAG  
ATCCTGGCAGAGAGGAGGAAGGCGCTGGCCATCGACCACCTGAATGAAGACCAACTGAGAGAGAAGGCCA  
AGGAGCTGTGGCAGAGTATTCACAACCTGGAGGCTGAGAAGTTCGACCTGCAGGAAAAGTTCAAGCAGCA  
GAAATACGAAATCAACGTTCTGCGAAACCGGATCAATGACAACCAGAAAAGTCTCCAAAACCTCGTGGGAAG  
GCCAAAAGTCACCGGGCGTTGAAA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_011619  
**Insert Size:** 867 bp



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<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_011619.3</a> , <a href="#">NP_035749.1</a>
<b>RefSeq Size:</b>	1190 bp
<b>RefSeq ORF:</b>	867 bp
<b>Locus ID:</b>	21956
<b>UniProt ID:</b>	<a href="#">P50752</a>
<b>Cytogenetics:</b>	1 59.32 cM
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (9) lacks two alternate in-frame exons in the 5' coding region, compared to variant 1. The resulting isoform (f) is shorter than isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>