

## Product datasheet for **MC209564**

### Tnnt2 (NM\_001130176) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tnnt2 (NM\_001130176) 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:** >MC209564 representing NM\_001130176  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGTCTGACGCCGAGGAGGTGGTGGAGGAGTACGAGGAGGAACAGGAAGAGGAAGACTGGAGTGAAGAAG  
AGGAGGACGAGCAAGAGGAGGCAGTGGAGGAGGAGGAGGCTGGTGGGGCTGAACCTGAGCCTGAGGGTGA  
GGCTGAGACAGAGGAGGCCAACGTAGAAGAGGTTGGTCTGATGAAGAAGCCAAAGATGCTGAAGAAGGT  
CCAGTAGAGGACACCAAACCAAGCCCAGCAGGCTCTTCATGCCAACTGGTGCCACCCAAGATCCCCG  
ATGGAGAGAGAGTGGACTTTGATGACATCCACAGGAAGCGCTGGAGAAGGACCTGAATGAGCTACAGAC  
TCTGATCGAGGCTCACTTCGAGAACAGGAAGAAGGAGGAAGAGGAGCTGATTTCCCTCAAAGACAGGATC  
GAAAAGCGTCGGGCAGAGCGGGCCGAGCAGCAGCGTATTTCGCAATGAGCGGGAGAAGGAAAGGCAGAAC  
GCCTGGCTGAAGAGAGGGCCCGGCTGAGGAGGAGGAGAACAGGAGGAAGGCTGAGGATGAGGCCCGAA  
GAAGAAGGCTCTGTCCAACATGATGCACCTTGGAGGTTACATCCAGAAGCAAGCTCAGACAGAGCGGAAG  
AGTGGGAAGAGACAGACAGAGAGAGAAGAAGAAGAAGATCCTGGCAGAGAGGAGGAAGGCGCTGGCCA  
TCGACCACCTGAATGAAGACCAACTGAGAGAGAAGGCCAAGGAGCTGTGGCAGAGTATTCAACCTGGA  
GGCTGAGAAAGTTGACCTGCAGGAAAAGTTCAAGCAGCAGAAAATACGAAATCAACGTTCTCGGAAACCGG  
ATCAATGACAACCAGAAAGTCTCAAAACCTCGTGGGAAGGCCAAAGTACCCGGGCGTTGGAAATAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001130176  
**Insert Size:** 906 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>	<u><a href="#">NM_001130176.1</a></u> , <u><a href="#">NP_001123648.1</a></u>
<b>RefSeq Size:</b>	1150 bp
<b>RefSeq ORF:</b>	906 bp
<b>Locus ID:</b>	21956
<b>UniProt ID:</b>	<u><a href="#">P50752</a></u>
<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 (3) includes an alternate exon in the 5' UTR, lacks an alternate in-frame exon in the 5' coding region, and includes an alternate in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (b) is shorter than isoform a.</p>