

Product datasheet for **MC209558**

Tnnt2 (NM_001130178) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnnt2 (NM_001130178) 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: >MC209558 representing NM_001130178
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTGACGCCGAGGAGGTGGTGGAGGAGTACGAGGAGGAACAGGAAGAAGCTGTGGAAGAGCAAGAGG
AGGCAGTGGAGGAGGAGGAGGCTGGTGGGGCTGAACCTGAGCCTGAGGGTGAAGCTGAGACAGAGGAGGC
CAACGTAGAAGAGGTTGGTCTGATGAAGAAGCCAAAGATGCTGAAGAAGGTCCAGTAGAGGACACCAAA
CCCAAGCCAGCAGGCTTTCATGCCAACTTGGTGCCACCAAGATCCCGATGGAGAGAGAGTGGACT
TTGATGACATCCACAGGAAGCGCTGGAGAAGGACCTGAATGAGCTACAGACTCTGATCGAGGCTCACTT
CGAAGACAGGAAGAAGGAGGAAGAGGAGCTGATTTCCCTCAAAGACAGGATCGAAAAGCGTCGGGCAGAG
CGGGCCGAGCAGCAGCGTATTCGCAATGAGCGGGAGAAGGAAAGGCAGAACCGCCTGGCTGAAGAGAGGG
CCCGCGTGAGGAGGAGGAGAACAGGAGGAAGGCTGAGGATGAGGCCCGGAAGAAGAAGGCTCTGTCCAA
CATGATGCACTTTGGAGGGTACATCCAGAAGCAAGCTCAGACAGAGCGGAAGAGTGGGAAGAGACAGACA
GAGAGAGAGAAGAAGAAGATCCTGGCAGAGAGGAGGAAGGCGCTGGCCATCGACCACCTGAATGAAG
ACCAACTGAGAGAGAAGGCCAAGGAGCTGTGGCAGAGTATTCACAACCTGGAGGCTGAGAAGTTCGACCT
GCAGGAAAAGTTCAAGCAGCAGAAATACGAAATCAACGTTCTGCGAAACCGGATCAATGACAACCCAGAAA
GTCTCCAAAACCTCGTGGGAAGGCCAAAGTCACCGGGCGTTGAAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001130178
Insert Size: 888 bp



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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:	<ol style="list-style-type: none">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:	<u>NM_001130178.2</u> , <u>NP_001123650.1</u>
RefSeq Size:	1211 bp
RefSeq ORF:	888 bp
Locus ID:	21956
UniProt ID:	<u>P50752</u>
Cytogenetics:	1 59.32 cM
Gene Summary:	<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 (5) 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 encoded isoform (d) 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>