

Product datasheet for **MC209561**

Tnnt2 (NM_001130177) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnnt2 (NM_001130177) 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: >MC209561 representing NM_001130177
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTCTGACGCCGAGGAGGTGGTGGAGGAGTACGAGGAGGAACAGGAAGAGGAAGACTGGAGTGAAGAAG
AGGAGGACGAGCAAGAGGAGGCAGTGGAGGAGGAGGAGGCTGGTGGGGCTGAACCTGAGCCTGAGGGTGA
GGCTGAGACAGAGGAGGCCAACGTAGAAGAGGTTGGTCTGATGAAGAAGCCAAAGATGCTGAAGAAGGT
CCAGTAGAGGACACCAAACCAAGCCCAGCAGGCTCTTCATGCCAACTGGTGCCACCCAAGATCCCCG
ATGGAGAGAGAGTGGACTTTGATGACATCCACAGGAAGCGCTGGAGAAGGACCTGAATGAGCTACAGAC
TCTGATCGAGGCTCACTTCGAGAACAGGAAGAAGGAGGAAGAGGAGCTGATTTCCCTCAAAGACAGGATC
GAAAAGCGTCGGGCAGAGCGGGCCGAGCAGCAGCGTATTCGCAATGAGCGGGAGAAGGAAAGGCAGAAC
GCCTGGCTGAAGAGAGGGCCCGGCGTGAGGAGGAGGAGAACAGGAGGAAGGCTGAGGATGAGGCCGGAA
GAAGAAGGCTCTGTCCAACATGATGCACCTTGGAGGTTACATCCAGAAGACAGAGCGGAAGAGTGGGAAG
AGACAGACAGAGAGAGAAGAAGAAGAATCCTGCCAGAGAGGAGGAAGGCGCTGGCCATCGACCACC
TGAATGAAGACCAACTGAGAGAGAAGGCCAAGGAGCTGTGGCAGAGTATTCACAACCTGGAGGCTGAGAA
GTTTCGACCTGCAGAAAAGTTCAAGCAGCAGAAAATACGAAATCAACGTTCTGCGAAAACCGGATCAATGAC
AACCGAAAAGTCTCCAAACTCGTGGGAAGGCCAAAGTACCGGGCGTTGAAAATAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001130177
Insert Size: 897 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_001130177.2</u> , <u>NP_001123649.1</u>
RefSeq Size:	1220 bp
RefSeq ORF:	897 bp
Locus ID:	21956
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 (4) lacks an alternate in-frame exon in the 5' coding region, compared to variant 1. The resulting isoform (c) 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>