

Product datasheet for MC209560

Tnnt2 (NM_001130180) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnnt2 (NM_001130180) 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: >MC209560 representing NM_001130180
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCTGACGCCGAGGAGGTGGTGGAGGAGTACGAGGAGGAACAGGAAGAGCAAGAGGAGGCAGTGGAGG
 AGGAGGAGGCTGGTGGGGCTGAACCTGAGCCTGAGGGTGAGGCTGAGACAGAGGAGGCCAACGTAGAAGA
 GGTGGTCTGATGAAGAAGCCAAAGATGCTGAAGAAGTCCAGTAGAGGACACCAAACCAAGCCAGC
 AGGCTCTTCATGCCCAACTTGGTGCCACCAAGATCCCCGATGGAGAGAGAGTGGACTTTGATGACATCC
 ACAGGAAGCGCGTGGAGAAGGACCTGAATGAGCTACAGACTCTGATCGAGGCTCACTTCGAGAACAGGAA
 GAAGGAGGAAGAGGAGCTGATTTCCCTCAAAGACAGGATCGAAAAGCGTCGGGCAGAGCGGGCCGAGCAG
 CAGCGTATTCGCAATGAGCGGGAGAAGGAAAGGCAGAACCCTGGCTGAAGAGAGGGCCCGCGTGGG
 AGGAGGAGAACAGGAGGAAGGCTGAGGATGAGGCCGGAAGAAGAAGGCTCTGTCCAACATGATGCACTT
 TGGAGGGTACATCCAGAAGCAAGCTCAGACAGAGCGGAAGAGTGGGAAGAGACAGACAGAGAGAGAAG
 AAGAAGAAGATCCTGGCAGAGAGGAGGAAGGCGCTGGCCATCGACCACCTGAATGAAGACCAACTGAGAG
 AGAAGGCCAAGGAGCTGTGGCAGAGTATTCACAACCTGGAGGCTGAGAAGTTCGACCTGCAGGAAAAGTT
 CAAGCAGCAGAAAATACGAAATCAACGTTCTGCGAAACCGGATCAATGACAACCGAAAAGTCTCCAAAAC
 CGTGGGAAGGCCAAAGTACCGGGCGTTGGAAA**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001130180
Insert Size: 876 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_001130180.2</u> , <u>NP_001123652.1</u>
RefSeq Size:	1199 bp
RefSeq ORF:	876 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 (7) lacks two alternate in-frame exons in the 5' coding region, and includes an alternate in-frame exon in the 3' coding region, compared to variant 1. The resulting isoform (e) 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>