

Product datasheet for MC209557

Tnnt1 (NM_011618) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnnt1 (NM_011618) Mouse Untagged Clone
Tag: Tag Free
Symbol: Tnnt1
Synonyms: AW146156; ss; ssTnT; sT; sTnT; Tn; Tnt
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209557 representing NM_011618
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCAGACACCGAAGAACAAGAATATGAGGAGGAGCAGGCAGAAGATGAGGAAGCGGTGGAGGAGGAGG
AAGCCCCGAGGAGCCGGAGCCGGTGGCAGAGCGAGAAGAGCGCCCAAACCCAGCCGTCTGTGGTGCC
TCCTTTGATTCCTCCCGAAGATTCCAGAAGGGGAGCGTGTGGATTTTGATGACATCCACCGAAGCGCATG
GAGAAAGACTTACTGGAGCTGCAGACGCTCATCGACGTGCACTTTGAACAGCGGAAAAAGGAGGAGGAAG
AGCTCATTGCACTAAAAGACCGCATTGAGAGGCGACGCGCAGAGAGAGCTGAGCAACAGCGCTTCAGAAC
GAAAAAGGAGCGAGAACGCCAGGCCAAGCTGGCGGAGGAGAAGATGCGGAAGGAGGAGGAGGAGGCAAAAG
AAGAGAGCAGAGGATGACGCCAAGAAGAAGAAAGTTCTGTCCAACATGGGAGCTCATTTTGGGGCTACC
TGGTCAAGGCAGAACAGAAGCGTGGGAAGCAGACTGGTCGGGAGATGAAACTCCGGATTCTGTCTGA
GAGGAAAAAGCCCTTGAACATCGACTACATGGGGGAGGACCAGCTCCGGGAAAAGGCCAGGAGCTGTCA
GAATGGATCCACCAGCTGGAATCAGAAAAATTTGACCTGATGGAGAAGTTGAAGCAACAGAAATATGAGA
TCAATGTGCTCTACAACCGCATCAGCCACGCCAGAAATTCGAAAGGGGGCTGGGAAGGGTCGAGTTGG
AGGCCGCTGGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011618
Insert Size: 786 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:	NM_011618.2 , NP_035748.1
RefSeq Size:	1027 bp
RefSeq ORF:	786 bp
Locus ID:	21955
UniProt ID:	O88346
Cytogenetics:	7 2.6 cM
Gene Summary:	<p>This gene encodes the slow skeletal tropomyosin-binding subunit of the troponin complex and plays an essential role in the regulation of striated muscle contraction. In humans, mutations in this gene are associated with nemaline myopathy type 5. Alternative splicing of this gene results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2013]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1. This results in a shorter protein (isoform 2, also known as high Mr isoform 2), compared to isoform 1.</p>