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Product datasheet for MC226656

Tnnt1 (NM_001277903) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Tnnt1 (NM_001277903) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Tnnt1
Synonyms:	AW146156; ss; ssTnT; sT; sTnT; Tn; Tnt
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

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>MC226656 representing NM_001277903
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTCAGACACCGAAGAACAAGAATATGAGGAGGAGCAGGCAGAAGATGAGGAAGCGGTGGAGGAGGAGG
AAGCCCCCGAGGAGCCGGAGCCGGTGGCAGAGCGAGAAGAAGAGCGCCCCAAACCCAGCCGTCCTGTGGT
GCCTCCTTTGATTCCCCCGAAGATTCCAGAAGGGGAGCGTGTGGATTTTGATGACATCCACCGGAAGCGC
ATGGAGAAAGACTTACTGGAGCTGCAGACGCTCATCGACGTGCACTTTGAACAGCGGAAAAAGGAGGAGG
AAGAGCTCATTGCACTAAAAGACCGCATTGAGAGGCGACGCGCAGAGAGAGCTGAGCAACAGCGCTTCAG
AACGGAAAAGGAGCGAGAACGCCAGGCCAAGCTGGCGGAGGAGAAGATGCGGAAGGAGGAGGAGGAGGCA
AAGAAGAGAGCAGAGGATGACGCCAAGAAGAAGAAAGTTCTGTCCAACATGGGAGCTCATTTTGGGGGCT
ACCTGGTCAAGGCAGAACAGAAGCGTGGGAAGCGACAGACTGGTCGGGAGATGAAACTCCGGATTCTGTC
TGAGAGGAAAAAGCCCTTGAACATCGACTACATGGGGGAGGACCAGCTCCGGGAAAAGGCCCAGGAGCTG
TCAGAATGGATCCACCAGCTGGAATCAGAAAAATTTGACCTGATGGAGAAGTTGAAGCAACAGAAATATG
AGATCAATGTGCTCTACAACCGCATCAGCCACGCCCAGAAATTCCGAAAGGGGGCTGGGAAGGGTCGAGT
TGGAGGCCGCTGGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
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Restriction Sites:	SgfI-MluI
ACCN:	NM_001277903
Insert Size:	789 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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:	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_001277903.1, NP_001264832.1
RefSeq Size:	1030 bp
RefSeq ORF:	789 bp
Locus ID:	21955
UniProt ID:	O88346
Cytogenetics:	7 2.6 cM
Gene Summary:	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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.

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