

Product datasheet for **RN216144**

Tnnt1 (NM_001277261) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnnt1 (NM_001277261) Rat Untagged Clone
Tag: Tag Free
Symbol: Tnnt1
Synonyms: Fang2; sTnT; tnTs
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216144 representing NM_001277261
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCAGACACCGAAGAACAAGAATATGAGGAGGAACAGGCAGAAGATGAGGAAGCAGTGGAGGAAGAAG
AAGAGCGCCCAACCCAGCCGTCCTGTGGTTCCTCCTTTGATTCCCGAAGATCCAGAAGGGGAGCG
TGTGGACTTTGATGACATTCACCGGAAGCGCATGGAGAAAGACTTACTGGAGCTGCAGACGCTCATCGAT
GTGCACCTTTGAGCAGCGGAAAAAGGAAGAGGAGGAAGCTATTGCGCTAAAAGACCGTATTGAGAGGCGTC
GCGCAGAGAGAGCTGAGCAACAGCGCTTCAGAACAGAAAAGGAGCGAGAACGCCAGGCCAAGCTGGCGGA
GGAGAAGATGCGGAAGGAGGAGGAGGAGGCAAAGAAGAGAGCAGAGGATGACGCCAAAAAGAAGAAGTT
CTGTCCAACATGGGGGCTCATTTTGGGGGCTACCTGGTCAAGGCAGAACAGAAGCGTGGGAAGCGCAGAG
CTGGTCCGGGAGATGAAACTCAGGATCCTGTCTGAGAGGAAAAAGCCCTTGAACATCGACTACATGGGGGA
GGACCAGCTCCGGGAGAAGGCCAGGAGCTGTGAGAAATGGATCCACCAGCTGGAATCGGAGAAATTTGAC
CTGATGGAGAAATTAAGCAACAGAAATATGAGATCAATGTGCTGTACAACCGCATCAGTCATGCCCAGA
AATTCGAAAGGGGCTGGGAAGGTCGAGTTGGAGGCCGCTGGAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001277261
Insert Size: 750 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:	<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_001277261.2, NP_001264190.1</u>
RefSeq Size:	908 bp
RefSeq ORF:	750 bp
Locus ID:	171409
UniProt ID:	<u>Q7TNB2</u>
Cytogenetics:	1q12
Gene Summary:	human homolog plays a role in the calcium sensitivity of contraction in skeletal muscle [RGD, Feb 2006] Transcript Variant: This variant (3) lacks an exon and uses an alternate splice site in the coding region, compared to variant 1. The encoded isoform (3) is shorter, compared to isoform 1. 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.