

## Product datasheet for RN216167

### Tnnt3 (NM\_001270678) Rat Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Tnnt3 (NM\_001270678) Rat Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Tnnt3  
**Synonyms:** Tnt  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >RN216167 representing NM\_001270678  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGTCTGACGAGGAACTGAACAAGTTGAGGAACAGTACGAAGAGGAAGAGGAGGCCAGGAGGAAGAAG  
TCCAGGAGGAAGAGGAAGTCCAAGAAGAGGAGAAAACCAAGACCCAACTTACTGCTCCTAAGATCCCGGA  
AGGAGAGAAAGTAGACTTCGATGATATCCAGAAGAAGCGTCAGAACAAGGACCTCATGGAGCTCCAGGCC  
CTCATTGACAGCCACTTTGAAGCTAGAAAGAAAGAAGAAGAGGAGCTAATTGCACTTAAGGAAAGAATTG  
AAAAGCGCCGTGCAGAGAGGGCTGAGCAGCAAAGGATTCCGCGCTGAGAAGGAGCGGGAGCCAGAACAG  
ACTGGCGGAGGAGAAGGCCAGAAGAGAGGAGGAAGATGCCAAGAGGAGAGCTGAAGATGACTTGAAGAAG  
AAAAAGGCTCTGTCTCTATGGGTGCCAAGTACAGCAGCTACCTGGCCAAGGCTGACCAGAAGAGAGGCA  
AGAAACAGACAGCCCGGAAATGAAAAAGAAGATTCTTGCTGAAAGGCGCAAACCTCTGAACATTGACCA  
TCTTAGTGATGATAAGCTGAGGGACAAGGCCAAGGAAGTCTGGGATACCTTGTACCAACTGGAGACTGAC  
AAATTTGAGTTTGGGGAGAAGCTGAAACGTGAGAAATACGATATCATGACTGTCCGGGCCAGAGTGGAGA  
TGCTGGCCAAGTTCAGCAAGAAGGCCGGTGCCACAGCCAAGGGCAAAGTCGGCGGGCGCTGGAAG**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001270678  
**Insert Size:** 768 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001270678.1, NP_001257607.1</u>
<b>RefSeq Size:</b>	1068 bp
<b>RefSeq ORF:</b>	768 bp
<b>Locus ID:</b>	24838
<b>UniProt ID:</b>	<u>P09739</u>
<b>Cytogenetics:</b>	1q41
<b>Gene Summary:</b>	<p>plays a role in muscle contraction [RGD, Feb 2006]</p> <p>Transcript Variant: This variant (13) lacks an alternate in-frame exon and uses an alternate exon in place of another exon in the 3' end of the gene, compared to variant 1. The resulting isoform (13) has the same N- and C-termini but is shorter and has a different internal segment 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.</p>