

Product datasheet for RN216159

Tnnt3 (NM_001270671) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Tnnt3 (NM_001270671) 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: >RN216159 representing NM_001270671
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCTGACGAGGAACTGAACAAGTTGAGGAGGAGGCCAGGAGGAAGAAGTCCAGGAGGAAGCCCCGG
 AACCGAGGAAGTCCAAGAAGAGGAGAAACCAAGACCCAACTTACTGCTCCTAAGATCCCGGAAGGAGA
 GAAAGTAGACTTCGATGATATCCAGAAGAAGCGTCAGAACAAGGACCTCATGGAGCTCCAGGCCCTCATT
 GACAGCCACTTTGAAGCTAGAAAGAAAGAAGAAGAGGAGCTAATTGCACTTAAGGAAAGAATTGAAAAGC
 GCCGTGCAGAGAGGGCTGAGCAGCAAAGGATTCGCGCTGAGAAGGAGCGGGAGCGCCAGAACAGACTGGC
 GGAGGAGAAGGCCAGAAGAGAGGAGGAAGATGCCAAGAGGAGAGCTGAAGATGACTTGAAGAAGAAAAAG
 GCTCTGCTCCTCTATGGGTGCCAACTACAGCAGCTACCTGGCCAAGGCTGACCAGAAGAGAGGCAAGAAAC
 AGACAGCCCGGAAATGAAAAAGAAGATTCTTGCTGAAAGGCGCAAACCTCTGAACATTGACCATCTTAG
 TGATGATAAGCTGAGGGACAAGGCCAAGGAACTCTGGGATACCTTGTACCACTGGAGACTGACAAATTT
 GAGTTTGGGAGAAGCTGAAACGTCAGAAATACGATATTACCACCCTCAGGAGCCGCATTGACCAAGCCC
 AGAAGCACAGCAAGAAGGCCGGTCCACAGCCAAGGGCAAAGTCGGCGGGCGCTGGAAG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270671
Insert Size: 762 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_001270671.1, NP_001257600.1</u> |
| RefSeq Size: | 1062 bp |
| RefSeq ORF: | 762 bp |
| Locus ID: | 24838 |
| UniProt ID: | <u>P09739</u> |
| Cytogenetics: | 1q41 |
| Gene Summary: | plays a role in muscle contraction [RGD, Feb 2006] Transcript Variant: This variant (5) lacks an alternate in-frame exon compared to variant 1. The resulting isoform (5) has the same N- and C-termini but 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. |