

## Product datasheet for RN201535

### Tnn (NM\_001107189) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Tnn (NM_001107189) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tnn
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN201535 representing NM_001107189 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGGTCTGTGGGGGATGCTTGCCCTCCCTGGGATTCTGCTTCTGCGCTCTGGTGGCTTCAG  
CCCCAGCCAAACCAGAGACTCCTGGCTGCAGCCACAAAGACCAACAGGTACCCGTTAGCCACACCTACAA  
GATTGATGTGCCAAGTCTGCTCTGGTTCAAGTAGAGACGGACCCACAGTCACTCAGTGATGATGGGACA  
TCACTCTTGGTTCTGGGAGGATGGGGAGGAGCAGAACATTATCTTCAGGCACAACATCCGTCTTCAGA  
CACCGCAGAAGAACTGTGAGTTGGCCGACAGTGTCCAGGACCTGTAGCCCGGGTAAAAAGCTGGAGGA  
GGAGATGGCAGAGCTGAAGGAGCAGTGTAGTACCAGCCGCTGCTGCCAGGGAGCTGCCGATCTGAGCCGT  
CACTGCAGTGGGCATGGGACCTTCTCGCTGAGACCTGCAGTGCCTGTGACCAGGGCTGGGAGGGCG  
CTGACTGTGAGCAGCCACCTGTCTGGGGCTGCAGCGGCCACGGGCGGTGCGTGGATGGGCAATGCGT  
GTGTGATCAGCCCTATGTGGGGTGCAGTGCAGCTACGCCGCTGTCCCAGGACTGCAGTGGGCATGGC  
GTGTGTGTGCGGGTGTCTGCCAGTGCCACAAGGACTTCACAGCTGAGGACTGCAGCGAGCAGCGCTGTC  
CTGGCGACTGTAGTGGCAACGGCTTCTGTGACACTGGCGAGTGTACTGCGAGATGGGCTTACTGGCCC  
CGACTGTTCCCAGGTGGTGGCTCCTCAGGCCTGCAGTTGCTCAAGAGCACCCGAGAACTCCCTGCTGGTG  
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CAAAACAGGTCCGGGTGCCAAGGAGCAACACACCTACGACATCACTGGTTTGTGCTGCCACCAAGTA  
CATAGTCAACCCTGCGTAACGTGAAGAAGGACATTTCCAGCAGCCCTCAGCATCTCCTTGCCACCACAGAT  
CTTGCTGTGGTGGGCACGGCCTGGGTAATGAGGAGACTGAGACATCTTTGATGTGGAGTGGGAGAACC  
CTCTGACTGAGGTGGACTATTACAAGCTTCGGTATGGCCCTAACAGGGCAGGAAGTACTGAGGTGAC  
TGTGCCAAGAGCCGTGATCCCAAGAGTAGATATGACATCACCGGTCTGCAGCCTGGAACGGAATATAAA  
ATGACAGTTGTGCCATAAAGAGAGATCTGGAGGAAAGCCAATCTCCTCAATGCGAGGACAGAAATTG  
ATGGACCAACCAATGTGGTCACAAACCAAGTGACAGAAGACACAGCATCTGTTTCCCTGGGATCCAGTGAG  
GGCTGACATAGACAAGTATGTGGTGCCTATATCTCCATGATGGGAGACCAAGGAGAAGGCAAGTACCC  
AAGGACCAGAGCAGCACCCTTCTCACGGCCTGAAGCCAGGAGAGGCCTACAAAGTCTTTGTGTGGGCTG  
AGAGAGGCAACCAAGGCAGCAAGAAAGCAGACACCAAGGCCCTCACAGAAATTGACAGCCAGAAAACCT  
GGTGACCGACCGTGTGACAGAGAACAGTCTCTGTCTCGTGGGACCCGGTGGAGGCTGAAATAGACAGG



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TACGTGGTGAGCTAACTTCCGTGGATGGAGAGACAAAGCAGGTTCCAGTGAGGAAGGACCAAAGCAGCA  
 CCGTCCTACCGGCTGAGTCCAGGTGTGGAGTACAAAGTGTACGTGTGGGCAGAGAAAGGTGATCGAGA  
 GAGCAAGAAGGCCAACCAAGGCTCCACAGACATTGACAGCCCCAAAACTTGGTGACTGACCAGGTG  
 ACAGAGAACACTCTCAGTGTCTTTGGGACCCTGTTCCAGGCCAACATTGACAGGTATATGGTGAGCTACA  
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 GAGGCCAGGCATGGAGTACAAGGTTACGATATGGGCCAGAAGGGGACCCAGGAGAGCAGGAAGGCCAAT  
 ACCAAGGCCCCACAGATATTGATGGCCCCAAAAACCTAGTGACTGACCAGGTGACAGAGACCACCTTTA  
 GTGTCTCTGGGACCCAGTGGAGGCTGACATCGATAGATACATGGTACGCTACACGTCTCCTGATGGAGA  
 GACCAAGGAGGTCCTGTGTCAAAGGATAAGAGCAGCACAGTCCCTGAGGGGCTGAGGCCAGGTGTGGAG  
 TACAAGGTTGATGTGTGGGCCAGAAGGGGGCCAGGACAGCCGGAAGGCCAACCAAGGCCCCACAG  
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 GTTGGGAAGGATCAAACAAGCACCATCTGACCGCATGAAACCGGGTGTGGAGTATCAGGTCGATGTGT  
 GGGCCCAGAAGGGGACACGGGAGAGCAGGAAGACCAGCACCAAGGCCAACAGATATTGATGGCCCCAA  
 AAACCTAGTGACTGACCAGGTGACAGAGACCACCTTTAGTGTCTCTGGGACCCAGTGGAGGCTGACATC  
 GATAGGTACATGGTACGCTACACGTCTCCTGATGGAGAGACCAAGGAGGTCCTGTGTCAAAGGATAAGA  
 GCAGCACAGTCCCTGAGGGGCTGAGGCCAGGTGTGGAGTACAAGGTTGATGTGTGGGCCAGAAGGGGGC  
 CCAGGACAGCCGAAAGGCCAACCAAGGCCCCACAGATATTGACAGTCCAAAAACCTGGCGATCAAC  
 CAGGTGACAGAGACCACGCTCAGTGTCTCTGGGACCCAGTACAGGCTGATATCGACAGGTATGTGGTGC  
 GCTACACCTCTGCTGATGGAGAATCAAAGAATCTTGATTGGGAAGGAACAGAGGAGCACTGTCCTGAC  
 AGGCCTGAGGCCAGGCGTAGAGTACAAGGTTGAAGTGTGGGCCAGAAAGGAGCCCGGAGAGCAAGAAA  
 GCCAACACCAAAGGCCACACAGACATTGACAGTCCAAAAACCTGGTGACCAATCAGGTGACAGAAAATA  
 GAGCCACCATCTCTGGGACCCAGTGCAGGCTGATATTGACAGGTACATGGTGGCTACACCTCTGCTGTA  
 TGGAGAGACCAGGGAGGTTCCAGTGGGAAGGAGAAGAGTAGCACGGTGTCTCACAGGCCTGAGGCCAGGA  
 GTGGAGTACACAGTCCAAGTGTGGGCTCAGAAGGGGGCCCGGAGAGCAGGAAGGCCAAAAACCAAGGCC  
 CCACAGAAATTGACAGCCCCAAGAACTTGGTGACCAACCGAGTGACAGAGAATACAGCCACCATCTCCTG  
 GGACCCAGTACGAGCCACCATTGACAGGTACATGGTTCGCTACACCTCTGCGGATGGAGAGACTAAGGAG  
 GTTCCAGTGTCAAAGGACCAGAGTAGCACCATCTGACAGGTCTGAAGCCAGGCATGGAGTATACCATT  
 ATGTGTGGGCCAGAAGGGGGCTCGGGAGAGCAAGAAGGCTGATACCAAGGCCAACAGAAATTGACCC  
 TCCAAAAATTTCCGTCCATTTGGTGTAAACACATTCCAGTGGGGTTTTGACCTGGATGCCCCCTCTGCT  
 CAAATCGATGGCTACATTTTACCTACCAGCTTCAAATGGCATCTTGAAGGAGGTGGAGCTCAAAGAG  
 GCCAGCAGAGATTTGAGTTGCAAGACCTGGAACAGGGCGTCACCTATCCTGTTTCTCTGGTTGCCTTTAA  
 AGGTAATCAGCGGAGCCGGAGTGTGTCTACCACCTTTCTACAGTGGACGCCGATTTCCACACCCCTCA  
 GACTGCAGTCAAGTTTACGAGAACCAATGCTGCTGCCAGTGGCCTCTACACGATCTACCTCAATGGCG  
 ATGCCAGCCGGCCATGCAGGTTTATTGTGACATGGACACGGAAGGAGCGGCTGGATTGTCTTTACAG  
 ACGTAACACTGGGAGCTGGATTCTTCAAGCGTTGGCGGAGTTATGTAGAAGGCTTTGGGGACCCCATG  
 AAGGAGTTCTGGCTTGGACTTGACAACTACATAATCTCACCAGTGGCACTACCCTCGGTATGAGGTGA  
 GGGCAGATTTACAGACTGCCAATGAATCCGCCTACGCTGTGTATGACTTCTTCAAGTGGCATCCAGCAA  
 AGAGCGGTACAAGCTGTGCGTTGGGAAATACAGAGGCACAGCAGGGGATGCTCTTACCTACCACAATGGT  
 TGGAAAGTTCACAATTTTACAGAGACAATGATATTGCCCTCAGCAACTGCGCGCTGACGATCATGGCG  
 GCTGGTGTATAAGAAGTCCATTTGGCCAACCCGAATGGCAATATGGGGAGACCAAGCAGTGAAGG  
 GGTGAAGTGGGAGCCATGGAAAGGACATGAGTTCTCATTCTTACGTTGGAGCTAAAAATCCGCCCTTT  
 GGTACAGCAGAGACCGTTTCTCTGGCAGGAAGAAGCGGTCCATAGGAGGGAAGGCAAGAGTGTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_001107189  
 Insert Size: 4689 bp

<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>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_001107189.2, NP_001100659.2</u>
<b>RefSeq Size:</b>	5783 bp
<b>RefSeq ORF:</b>	4689 bp
<b>Locus ID:</b>	304913
<b>Cytogenetics:</b>	13q22