

## Product datasheet for **MC226351**

### Trnt1 (NM\_001242360) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Trnt1 (NM\_001242360) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Trnt1  
**Synonyms:** 2410043H24Rik; 2610044E04Rik; 9830143O18Rik; AA408384; C76540; CGI-47; mt-Trat  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226351 representing NM\_001242360  
**Red=Cloning site Blue=ORF Orange=Stop codon**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCAGAGCGTCCTGTATCCTTGGCACAGGCAGGTCTGAGGTGTAGTTGGAGTAGATTGTGCCTTCTGA  
AGCGATACCTGTTTACAATGAAGTTGCAGTCCCCAGAATTCAGTCCCTTTCCACCGAAGGATTGAAGAG  
CCTGACAGAATTATTTGCCAAAGAGAATCATGAATTAAGAATAGCAGGAGGAGCAGTGAGGGATTTACTG  
AATGGGGTGAAGCCTCAAGATGTGGATTTCGCCACCACTGCCACCCTACTCAGATGAAGGAGATGTTCC  
AGTCAGCTGGCATTTCGCATGATCAACAACAAAGGAGAGAAAACATGGGACTATCACTGCCAGGCTTCATGA  
AGAAAAATTTGAAGTTACTACACTCCGAATTGATGTTACCACTGATGGAAGACATGCAGAGGTAGAATTC  
ACAACACTGACTGGCAGAAAGACGCTGAACGAAGAGATCTCACTATAAATCTATGTTTCTAGGTTTTGATG  
GTACACTGTTTGATTACTTCAATGGTTATGCAGATTTAAAAAATAAAAAGGTTTCGATTTGTTGGACATGC  
AAAACAGAGAATTCAGGAAGATTATCTTCGAATTTAAGGTATTTAGGCCAGGTATTGTGCTCGGTGAT  
CTTACTACAGAGAA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001242360  
**Insert Size:** 648 bp



[View online »](#)

<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><a href="#">NM_001242360.1</a></u> , <u><a href="#">NP_001229289.1</a></u>
<b>RefSeq Size:</b>	1916 bp
<b>RefSeq ORF:</b>	648 bp
<b>Locus ID:</b>	70047
<b>UniProt ID:</b>	<u><a href="#">Q8K1J6</a></u>
<b>Cytogenetics:</b>	6 E1
<b>Gene Summary:</b>	<p>Adds and repairs the conserved 3'-CCA sequence necessary for the attachment of amino acids to the 3' terminus of tRNA molecules, using CTP and ATP as substrates. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR and in the 3' UTR and coding sequence compared to variant 1. The resulting isoform (b) has a shorter and distinct C-terminus compared to isoform a.</p>