

## Product datasheet for **MC227677**

### Trnt1 (NM\_001242358) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Trnt1 (NM_001242358) 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:	>MC227677 representing NM_001242358 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGCAGAGCGTCCTGTATCCTTGGCACAGGCAGGTCCTGAGGTGTAGTTGGAGTAGATTGTGCCTTCTGA  
AGCGATACCTGTTTACAATGAAGTTGCAGTCCCCAGAATTCAGTCCCTTTCCACGAAGGATTGAAGAG  
CCTGACAGAATTATTTGCCAAAGAGAATCATGAATTAAGAATAGCAGGAGGAGCAGTGAGGGATTTACTG  
AATGGGGTGAAGCCTCAAGATGTGGATTTCGCCACCACTGCCACCCTACTCAGATGAAGGAGATGTCC  
AGTCAGCTGGCATTTCGCATGATCAACAACAAAGGAGAGAAAACATGGGACTATCACTGCCAGGCTTCATGA  
AGAAAAATTTGAAGTTACTACACTCCGAATTGATGTTACCACTGATGGAAGACATGCAGAGGTAGAATTC  
ACAACACTGACTGGCAGAAAGACGCTGAACGAAGAGATCTCACTATAAATTCATGTTTCTAGGTTTTGATG  
GTACACTGTTTGATTACTTCAATGGTTATGCAGATTTAAAAATAAAAAGGTTTCGATTTGTTGGACATGC  
AAAACAGAGAATTCAGGAAGATTATCTTCGAATTTAAGGTATTTTCAGGTTTTATGGCAGAATTTGTCGAC  
AGACCTGGTGACCATGACCATGAGACTCTAGAAGCAATTGCAGAAAATGCCAAAGGTTTGGCTGGAATAT  
CAGGAGAGAGGATTTGGGTAGAAGTGAAGAAAATTTCTACTGGTGACCATGTAACCATTGATCCACCT  
GATCTATGATCTTGGTGTGGCTCCTCACATAGGTTTACCTGCTAATGCAAATTTAGAAGAATTTAACAAA  
GTCAGTAAAAATGTTGAAGGCTTTTACCAAAAACCAATGACTCTTTTGGCTTCTTTATTTCAAAGTACAAG  
ATGATGTCACAAAATGGACTTGAGATTGAAAATTTCAAAGAGGAGAAAAACCTGGGTTTTATTTATAGT  
TAAAAACAGGAAAGACTTGATTAAGCAACAGATAGTTTCAGAACCATTGAAACCATACCAAGACTTTGTG  
ATAGACTCTAGGGAACCAGATGCAACTGCCCGTGTGTTGTGAGCTGCTGAAGTACCAAGGAGAGCATGGTC  
TTCTCAAAGAGATGCAGCAGTGGTCTGTCCCGCTTCCCTGTGAGTGGACATGACATCAGGAAAGTGGG  
TATTTCTCAGGGAAGGAAATTTGGGCCCTGCTACAGCAGTTGCGTGAACAGTGGAAAGAAAAGTGGTTAC  
CGGATGAAAAAGATGAACTACTAAGTTACATAAAGAAGACCTAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001242358
<b>Insert Size:</b>	1305 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>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_001242358.1</a></u> , <u><a href="#">NP_001229287.1</a></u>
<b>RefSeq Size:</b>	2327 bp
<b>RefSeq ORF:</b>	1305 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>	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] Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (a). Variants 1 and 2 both encode the same isoform (a).