

## Product datasheet for **RN217145**

### **Tmc7 (NM\_001191950) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Tmc7 (NM_001191950) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Tmc7
Synonyms:	RGD1564267
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN217145 representing NM\_001191950  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGCGAGGGCAACCGGGCGACCCGGGCCACGGGTCCAGCCGCGCAGCGAGCCGTACACCCAGAGAACC  
TGTCCTGGGTCTAGCTGCTTCTCTCCACCCGTGAACCTCCTTCAAGAGCTGCCAAGCTACCGGTCACT  
GGCACGTAGGAGGACAAACATCTCTCTCGGGACAAGCAGAGTGGCACCCCTGCTGAAGCCAACGGGCTCT  
TTCAGTCCCAGCTAGATGGAGGATCACAGAAAACCTCAACAGCCAATCCATCCGCAAGTACGCGCTGA  
ACATCTCTGAGAAGCGGAGACTAAGGGACATTCAGGAAACCCAGATGAAGTATTTATCAGAGTGGGACCA  
GTGAAAACGCTACAGCAGCAAGTCTGGAAGAGGTTTCATTGAGAAAAGCTCGAGAGATGACGACTCACCTG  
GAACTGTGGCGCAAAGACATCCGCAGCATTGAAGGGAAGTTTGGCACGGGGATCCAGTCTACTTCTCGT  
TCCTGCGGTTCTGGTGGTGTGAACCTGGTGATATTCCTGATCATCTTCATGCTGGTTTTGCTCCCTAT  
CATTCTACCAAGTACAAGATTACCAACAGCACTTTCGTGCTCATCCCGTTCAAAGACATGGATATGCAG  
TGACCGCTGTATCCAATCAGTAGCTCTGGGCTCATTTACTTCTACAGTTACATCATAGACCTGCTGTCTG  
GCACGGGATTCTGGAGGAAACAGCCTTTTCTATGGACACTACACCATTGATGGTGTAATAATCCAGAA  
CTTCACGTATGATCTGCCCTTGGCTTACTTGATAAGCACAAATCGCTACCTGGCTCTGAGCCTCCTTTGG  
ATAGTGAAAAGGTCGGTGGAAAGGTTCAAGATCAACCTGATTCGGAGCGAGGAGCACTTTTCAGAGTTACT  
GTAATAAGATCTTCGCTGGCTGGGACTTCTGCATCACCAACCGCAGCATGGCCGAGCTGAAAACACAGCAG  
CTTGGCGTATGAGCTCCGAGCAGATCTGGAGGAAGAGAGAATACGGCAGAAAATAGCAGAAAAGGACCTCA  
GAAGAAACCATCCGCATTTACTCTTTGAGGCTGTTTTTGAAGTGTATCGTGTGGCCGTGCTAGCAGCCT  
GCTTTTATGCCATCTACTAGCAACTACCTTCTCGAAGAACACATGAAAAAAGAAATGACAAGATGGT  
CTTTGGGAGAAACCTGTTGATATTGTACCTTCCATCCATTGTGATTACCCTGGCCAATTTTCATTACCCCA  
ATCATCTTTGCCAAGATCATCCACTACGAGGATTACTCACCAGGCTTTGAGATCCGCCTGACCATTCTTA  
GGTGTGCTTTATGCGGCTGGCCACCATCTGTGTGCTGGTGTTCACGCTGGGCTCCAAGATCACATCCTG  
TGGCGACAGCACATGTGAACTCTGTGGCTATAACCAGAACTCTACCCGTGCTGGGAGACTCAGGTGGGA  
CAGGAAATGTACAAGCTGATGATCTTCGACTTCATCATCATCCTGGCTGTGACACTGTTTGTGGATTTCC  
CTAGGAAGCTCCTGGTGACCTACTGTGCCTCCTCAAAGCTGATCCAGTGTGGGGCAGCAGGAATTCGC  
CATCCCAGACAATGTCTGGGCATCGTGTATGGGCAGACCATCTGCTGGATTGGAGCCTTCTTCTCCCA  
CTCCTCCCTGCCATCGCCACCTTGAATTCGTTATCATCTTTACGTGAAAGAGTTGAGTCTTCTCTACA  
CCTGCAGACCGTCCCCTCGGCAGTTTCAGAGCGTCCAATTCCTAATCTTCTTCTCTGCTGGTGTGCTGAT  
TGGGCTGTGCTTGGCCATCATACCTCTGACAATCAGCATGGCTCGCATCCCTTCTCAAAGCCTGCGGC  
CCATTCACCAACTTCAACACCACCTGGGAGGTTATCCCCAGACCGTGGAGCCTTCCCCAGCTCACTGC  
AGACCCTGATCCATGGCGTTACATCAGAAGCCTTTCAGTGCCTTCTTCATGATCATCTGCCTGGTGCAT  
GTTCTACTTCATTGCGCTGGCTGGAGCACACAAGCGGGTGGTGGCACAGCTCCGAGAGCAGCTGTCCCTG  
GAGAGTCGTGACAAGCGTTATCTTATCCAGAACTAACAGAAGCTCAACGGGATGTTTCGGAGCCAGCCGG  
CTTTAGCATGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM\_001191950

Insert Size: 2181 bp

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).

<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_001191950.1</a></u> , <u><a href="#">NP_001178879.1</a></u>
<b>RefSeq Size:</b>	2181 bp
<b>RefSeq ORF:</b>	2181 bp
<b>Locus ID:</b>	499254
<b>Cytogenetics:</b>	1q35