

Product datasheet for **MC211275**

Trmu (NM_028063) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Trmu (NM_028063) Mouse Untagged Clone
Tag: Tag Free
Symbol: Trmu
Synonyms: 1110005N20Rik; 1600025P05Rik; AI314320; Trmt1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC211275 representing NM_028063
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCGGCGCTGCGGCACGTCGTGTGCGCCCTGTCTGGCGGTGTGGACAGCGCGGTGGCGGCGCTGCTGT
TGCGGCGGAGAGGTTACCAGGTGACAGGGGATTTATGAAGAAGTGGACTCGCTGGATGAGCAGGGCGT
TTGTGCTGCTGACAAGGACTGTGAAGATGCGTATAAAGTTTGTGATCTTAGACATCCCTTTCCACCAG
GTGTCCTATGTGAAGGAGTATTGAATGATGTGTTCAAGTACTTTTGAACGAGTATGAGAAAGGAAGGA
CTCCAAACCCCGACATCAACTGCAATAAGCATATCAAGTTCAGTTGCTTTTATCACTATGCTGTGGACAA
TCTTGGAGCAGATGCCGTTGCCACTGGCCACTACGCCAGGACCTCACTGGAGGATGAGGAAGTCTTTGAG
CAAAAGCACACTAAGAAGCCTGACGGGCTGTTCAGAAATCGATTTGAAGTCAGAAACCCGTAAGTCTT
TCCAAGCAGCTGACAGCTTTAAAGACCAGACCTTCTTTCTCAGCCAGGTTTCCAGGATGCCCTGAGAAG
GACCATCTTTCCCTGGGGAACTAACAAAAGATTTTGTAAAGAAAATAGCCGCGGAGAATAGCCTCCAT
CACGTGCTTCAGAAGAGAGAGCATGGGCATCTGCTTCATTGGTAAGAGAAAACCTGGAGCATTTCCTTC
TTCAGTATTTGCAGCCTCGCCCTGGAAAGTTTGTCTATCGAGGATAATACAGTCTCTGGAACACACAA
AGGTTGGTTCCTGTACACTTTGGGCCAGAGAGCTAAGATCAGCGCTTGAGAGAGCCTGGTACGTGGTG
GAGAAGGATGGCACCAAGGGTGACGTGCTGTGGCTCCCCGGGTGGACCCAGCTCTGTACAGGGACC
TGCTCAGGACCAACCGAGTACACTGGATTGCGGAGGAGCCACCTGCTGCCTTGGTCAGAGACAAGATGAT
GGAGTGCCATTTCCGATTCGCCACCAGATGGCACTAGTGCCTGCGTGTGACTCTCAATCAGGATGGC
ACTGTGTGGTAAACGGCTGTGAAGGCTGTGAGGGGCTTGCCTGGGACAGTTTGCAGTGTCTACAAGG
GTGAGGAGTGCCTCGGCAGTGGGAAAATCTGCGGCTAGGGCCGTCTGCCTACACACTCCAGAAGGGTAA
GAACAGAACTCGAGTGGCTCCCGAGGCTCCAGTGACAGCCAGGCTGCACCCACATCC**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_028063
Insert Size:	1254 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).
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:	NM_028063.2 , NP_082339.1
RefSeq Size:	1520 bp
RefSeq ORF:	1254 bp
Locus ID:	72026
UniProt ID:	Q9DAT5
Cytogenetics:	15 E2
Gene Summary:	Catalyzes the 2-thiolation of uridine at the wobble position (U34) of mitochondrial tRNA(Lys), tRNA(Glu) and tRNA(Gln). Required for the formation of 5-taurinomethyl-2-thiouridine (tm5s2U) of mitochondrial tRNA(Lys), tRNA(Glu), and tRNA(Gln) at the wobble position. ATP is required to activate the C2 atom of the wobble base.[UniProtKB/Swiss-Prot Function]