

Product datasheet for RN209812

Trmu (NM_001135876) Rat Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Trmu (NM_001135876) Rat Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Trmu |
| Synonyms: | Trmt1 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |
| Fully Sequenced ORF: | >RN209812 representing NM_001135876 Red=Cloning site Blue=ORF Orange=Stop codon |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCGGCGTTGCGGCACGTCGTGTGTGCCCTGTCTGGCGGCGTGGACAGCGCGGTGGCCGCGTGTCTGT
TACGGCGGAGAGGTTACCAGGTGACAGGGGATTTATGAAGAAGTGGACTCGCTGGATGAGCAGGGCAT
TTGTGCTGCTGACAAGGACTGTGAAGATGCGTATAAAGTGTGTCAGATCTTAGACATCCCTTTCCACCAG
GTGTCCTATGTGAAGGAGTATTGGAATGATGTATTCAAGTACTTTCTGAACGAGTATGAGAAGGGGAAGGA
CCCCGAACCCCGACATCAGCTGCAACAAGCACATCAAGTTCAGCTGCTTTACCATTATGCTGTGGACAA
TCTTGGAGCAGATGCTGTTGCCACTGGCCACTATGCAAGGACGTCCTGGAGGATGAGGAAGTCTTTGAG
CAAAGCACACTAAGAGACCAGATGGACTGTTCAGGAATCGATTTGAAGTCAGAAATCCCGTAAACTTC
TCCAAGCAGCTGACAGCTTTAAAGACCAGACCTTCTTTCTCAGCCAGGTTTCCAGGATGCCCTGAGAAG
AACCATCTTCCCCTGGGGGAATTAACAAAAGATTTTGTAAAGAAAATAGCTGCGGAGAATAGACTCCAT
CATGTGCTTCAAGAAAAGAGAGCATGGGCATCTGCTTCATTGGTAAGAGAAAACCTGGAGCATTTCTCTC
TTCAGTATTTGCAGCCTCGCCGTTGGGAAGTTTATTCTATCGAGGATAACAGAGTTCTGGGAACACAA
AGGTTGGTTCTATACACTGGGCCAGAGAGCTAAGATCAGCGGCTTGAGCGAGCCTGGTACGTGGTG
GAGAAGGATGGCACCAAGGGTGACGTGCTGTGGCTCCCCGGTAGACCATCCAGCTCTGTACAGGGACC
TGCTGAGGACCAACCGAGTGCCTGATGAGTGGGAACCACTGCAGCCTTGGTCAGAGACAAGATGAT
GGAGTGCCACTTCCGATTCGCCACCAGATGGCACTAGTGCCCTGTGTGCTGACGCTCAACCAGGATGGC
ACTGTGTGGGTGACGGCTGTGAAGGCTGTGAGGGGCTTGGCCTGGGACAGTTTGCAGTGTCTACAAGG
GTGAGGAATGCCTCGGCAGTGGGAAAATCCTGCGGTTAGGGCCATCTGCCTACACTCCAGAAGGGCAA
GAACAGAACCAGAGTGGCTCCTGAGGTCTCCAGTGACAGCCAGGCTGCACCCACATCCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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| Restriction Sites: | Sgfl-Mlul |
| ACCN: | NM_001135876 |
| 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: | <u>NM_001135876.1</u> , <u>NP_001129348.1</u> |
| RefSeq Size: | 1566 bp |
| RefSeq ORF: | 1254 bp |
| Locus ID: | 362976 |
| Cytogenetics: | 7q34 |
| 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] |