

Product datasheet for RC227158L3

OriGene Technologies, Inc.

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TRM1 (TRMT1) (NM_001142554) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: TRM1 (TRMT1) (NM_001142554) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: TRM1

Synonyms: MRT68; TRM1

Mammalian Cell Puromycin

Selection:

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

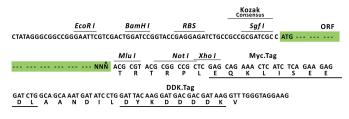
ORF Nucleotide The ORF insert of this clone is exactly the same as(RC227158).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001142554

ORF Size: 1890 bp





TRM1 (TRMT1) (NM_001142554) Human Tagged Lenti ORF Clone - RC227158L3

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

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: 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 001142554.1</u>

RefSeq ORF: 1893 bp
Locus ID: 55621
UniProt ID: Q9NXH9
Cytogenetics: 19p13.13

Protein Families: Druggable Genome

MW: 69.1 kDa

Gene Summary: This gene encodes a tRNA-modifying enzyme that acts as a dimethyltransferase, modifying a

single guanine residue at position 26 of the tRNA. The encoded enzyme has both mono- and dimethylase activity when exogenously expressed, and uses S-adenosyl methionine as a methyl donor. The C-terminal region of the encoded protein has both a zinc finger motif, and an arginine/proline-rich region. Mutations in this gene have been implicated in autosomal recessive intellectual disorder (ARID). Alternative splicing results in multiple transcript variants encoding different isoforms. There is a pseudogene of this gene on the X chromosome.

[provided by RefSeq, May 2017]