

## Product datasheet for **RC227158L3V**

### TRM1 (TRMT1) (NM\_001142554) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	TRM1 (TRMT1) (NM_001142554) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRM1
Synonyms:	MRT68; TRM1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001142554
ORF Size:	1890 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC227158).
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. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_001142554.1</a>
RefSeq ORF:	1893 bp
Locus ID:	55621
UniProt ID:	<a href="#">Q9NXH9</a>
Cytogenetics:	19p13.13
Protein Families:	Druggable Genome
MW:	69.1 kDa



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**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]