

## Product datasheet for **MR206594L4V**

### Trmu (NM\_028063) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Trmu (NM_028063) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Trmu
Synonyms:	1110005N20Rik; 1600025P05Rik; AI314320; Trmt1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_028063
ORF Size:	1254 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR206594).
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_028063.2</a> , <a href="#">NP_082339.1</a>
RefSeq Size:	1520 bp
RefSeq ORF:	1254 bp
Locus ID:	72026
UniProt ID:	<a href="#">Q9DAT5</a>
Cytogenetics:	15 E2



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**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]