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Product datasheet for RC219032L1V

TRMT1 (TRMU) (NM_018006) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	TRMT1 (TRMU) (NM_018006) Human Tagged ORF Clone Lentiviral Particle
Symbol:	TRMT1
Synonyms:	LCAL3; MTO2; MTU1; TRMT; TRMT1
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_018006
ORF Size:	1263 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(RC219032).`
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.
RefSeq:	NM_018006.3
RefSeq Size:	1970 bp
RefSeq ORF:	1266 bp
Locus ID:	55687
UniProt ID:	O75648
Cytogenetics:	22q13.31
Domains:	tRNA_Me_trans
MW:	47.6 kDa

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Gene Summary: This nuclear gene encodes a mitochondrial tRNA-modifying enzyme. The encoded protein catalyzes the 2-thiolation of uridine on the wobble positions of tRNA(Lys), tRNA(Glu), and tRNA(Gln), resulting in the formation of 5-taurinomethyl-2-thiouridine moieties. Mutations in this gene may cause transient infantile liver failure. Polymorphisms in this gene may also influence the severity of deafness caused by mitochondrial 12S ribosomal RNA mutations. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]