

Product datasheet for RC225499L4

OriGene Technologies, Inc.

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RG9MTD2 (TRMT10A) (NM_001134665) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: RG9MTD2 (TRMT10A) (NM_001134665) Human Tagged Lenti ORF Clone

Tag: mGFP

Symbol: RG9MTD2

Synonyms: HEL-S-88; MSSGM; MSSGM1; RG9MTD2; TRM10

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-mGFP-P2A-Puro (PS100093)

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

ORF Nucleotide

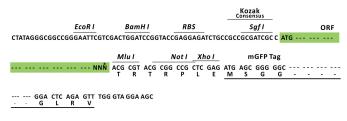
The ORF insert of this clone is exactly the same as(RC225499).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_001134665

ORF Size: 1017 bp





RG9MTD2 (TRMT10A) (NM_001134665) Human Tagged Lenti ORF Clone - RC225499L4

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 001134665.1</u>

 RefSeq Size:
 3552 bp

 RefSeq ORF:
 1020 bp

 Locus ID:
 93587

 UniProt ID:
 Q8TBZ6

 Cytogenetics:
 4q23

MW: 39.7 kDa

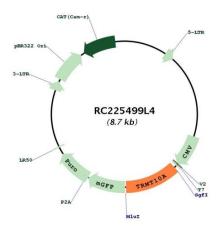
Gene Summary: This gene encodes a protein that belongs to the tRNA (Guanine-1)-methyltransferase family.

A similar gene in yeast modifies several different tRNA species. Mutations in this gene are associated with microcephaly, short stature, and impaired glucose metabolism. Alternative

splicing results in multiple transcript variants. [provided by RefSeq, Oct 2014]



Product images:



Circular map for RC225499L4