

### **Product datasheet for RR213414L4**

# Mterf4 (NM\_001037209) Rat Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Mterf4 (NM\_001037209) Rat Tagged Lenti ORF Clone

Tag: mGFP

Symbol: Mterf4

Synonyms: Mterfd2

Mammalian Cell Puromycin

Selection:

**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(RR213414).

Sequence:

Restriction Sites: Sgfl-Mlul

**Cloning Scheme:** 





<sup>\*</sup> The last codon before the Stop codon of the ORF

**ACCN:** NM\_001037209

ORF Size: 1041 bp



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#### Mterf4 (NM\_001037209) Rat Tagged Lenti ORF Clone - RR213414L4

**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 001037209.1</u>, <u>NP 001032286.1</u>

 RefSeq Size:
 1323 bp

 RefSeq ORF:
 1044 bp

 Locus ID:
 363289

 UniProt ID:
 Q4G078

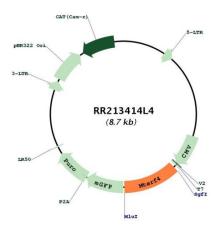
 Cytogenetics:
 9q36

**Gene Summary:** Regulator of mitochondrial ribosome biogenesis and translation. Binds to mitochondrial

ribosomal RNAs 16S, 12S and 7S and targets NSUN4 RNA methyltransferase to the mitochondrial large ribosomal subunit (By similarity).[UniProtKB/Swiss-Prot Function]



## **Product images:**



Circular map for RR213414L4