

### **Product datasheet for RR210757L3**

Tmem97 (NM\_001008334) Rat Tagged Lenti ORF Clone

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# Product data:

**Product Type:** Expression Plasmids

Product Name: Tmem97 (NM 001008334) Rat Tagged Lenti ORF Clone

Tag:Myc-DDKSymbol:Tmem97

Synonyms: RGD1307423

Mammalian Cell Puromycin

Selection:

**Vector:** pLenti-C-Myc-DDK-P2A-Puro (PS100092)

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

**ORF Nucleotide** The ORF insert of this clone is exactly the same as(RR210757).

Sequence:

**Restriction Sites:** Sgfl-Mlul

**Cloning Scheme:** 





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

ACCN: NM\_001008334

ORF Size: 528 bp





### Tmem97 (NM\_001008334) Rat Tagged Lenti ORF Clone - RR210757L3

**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 001008334.1</u>, <u>NP 001008335.1</u>

 RefSeq Size:
 1280 bp

 RefSeq ORF:
 531 bp

 Locus ID:
 303330

 UniProt ID:
 Q5U3Y7

 Cytogenetics:
 10q25

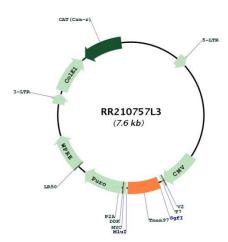
**Gene Summary:** Intracellular orphan receptor that binds numerous drugs and which is highly expressed in

various proliferating cells. Corresponds to the sigma-2 receptor, which is thought to play important role in regulating cell survival, morphology and differentiation. May play a role as a regulator of cellular cholesterol homeostasis. May function as sterol isomerase. May alter the

activity of some cytochrome P450 proteins.[UniProtKB/Swiss-Prot Function]



## **Product images:**



Circular map for RR210757L3