

### **Product datasheet for RR212800L3**

# Mks1 (NM\_001034917) Rat Tagged Lenti ORF Clone

#### **Product data:**

**Product Type:** Expression Plasmids

**Product Name:** Mks1 (NM\_001034917) Rat Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Mks1

Synonyms: MGC124860

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(RR212800).

Sequence:

Restriction Sites:

Sgfl-Mlul

**Cloning Scheme:** 





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

**ACCN:** NM\_001034917

ORF Size: 1683 bp



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#### Mks1 (NM\_001034917) Rat Tagged Lenti ORF Clone - RR212800L3

**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 001034917.2</u>, <u>NP 001030089.2</u>

 RefSeq Size:
 2480 bp

 RefSeq ORF:
 1686 bp

 Locus ID:
 287612

 UniProt ID:
 Q499Q5

 Cytogenetics:
 10q26

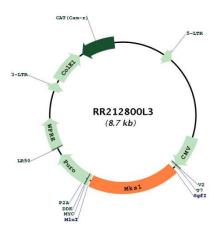
**Gene Summary:** Component of the tectonic-like complex, a complex localized at the transition zone of primary

cilia and acting as a barrier that prevents diffusion of transmembrane proteins between the cilia and plasma membranes (By similarity). Involved in centrosome migration to the apical cell surface during early ciliogenesis. Required for ciliary structure and function, including a

role in regulating length and appropriate number through modulating centrosome duplication. Required for cell branching morphology.[UniProtKB/Swiss-Prot Function]



## **Product images:**



Circular map for RR212800L3