

Product datasheet for MR203623L4

Tiprl (NM_145513) Mouse Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Tiprl (NM_145513) Mouse Tagged Lenti ORF Clone

Tag: mGFP Symbol: Tiprl

Synonyms: 1810011K17Rik

Mammalian Cell Puromycin

Selection:

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

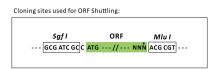
E. coli Selection: Chloramphenicol (34 ug/mL)

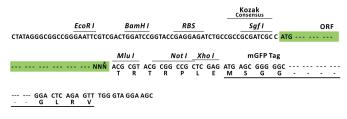
ORF Nucleotide The ORF insert of this clone is exactly the same as(MR203623).

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





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

ACCN: NM_145513

ORF Size: 816 bp



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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: NM 145513.2

 RefSeq Size:
 4395 bp

 RefSeq ORF:
 816 bp

 Locus ID:
 226591

 UniProt ID:
 Q8BH58

Cytogenetics:

Gene Summary: May be a allosteric regulator of serine/threonine-protein phosphatase 2A (PP2A). Inhibits

catalytic activity of the PP2A(D) core complex in vitro. The PP2A(C):TIPRL complex does not

show phosphatase activity. Acts as negative regulator of serine/threonine-protein

phosphatase 4 probably by inhibiting the formation of the active PPP4C:PPP4R2 complex; the

function is proposed to implicate it in DNA damage response by promoting H2AFX

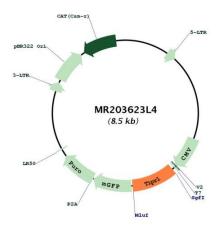
phosphorylated on Ser-140 (gamma-H2AFX). May play a role in the regulation of ATM/ATR signaling pathway controlling DNA replication and repair (By similarity).[UniProtKB/Swiss-Prot

Function]

1 H2.2



Product images:



Circular map for MR203623L4