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Product datasheet for MR203623L3V

Tiprl (NM_145513) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Tiprl (NM_145513) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Tiprl
Synonyms:	1810011K17Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_145513
ORF Size:	816 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR203623).`
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.
RefSeq:	NM_145513.2
RefSeq Size:	4395 bp
RefSeq ORF:	816 bp
Locus ID:	226591
UniProt ID:	Q8BH58
Cytogenetics:	1 H2.2

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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]

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