

## Product datasheet for **MR224193L3V**

### Mprip (NM\_012027) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Mprip (NM_012027) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Mprip
Synonyms:	9530046C02; AA536749; AI647711; C76423; mKIAA0864; p116Rip; Rhoip3; RIP3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_012027
ORF Size:	3072 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR224193).
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. <a href="#">More info</a>
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:	<a href="#">NM_012027.2</a> , <a href="#">NP_036157.2</a>
RefSeq Size:	8784 bp
RefSeq ORF:	3075 bp
Locus ID:	26936
UniProt ID:	<a href="#">P97434</a>
Cytogenetics:	11 B1.3



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**Gene Summary:**

Targets myosin phosphatase to the actin cytoskeleton. Required for the regulation of the actin cytoskeleton by RhoA and ROCK1. Depletion leads to an increased number of stress fibers in smooth muscle cells through stabilization of actin fibers by phosphorylated myosin. Overexpression of MRIP as well as its F-actin-binding region leads to disassembly of stress fibers in neuronal cells.[UniProtKB/Swiss-Prot Function]