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# Product datasheet for RC211386L3V

## MPRIP (NM_015134) Human Tagged ORF Clone Lentiviral Particle

### Product data:

| | |
|---|---|
| **Product Type:** | Lentiviral Particles |
| **Product Name:** | MPRIP (NM_015134) Human Tagged ORF Clone Lentiviral Particle |
| **Symbol:** | MPRIP |
| **Synonyms:** | M-RIP; MRIP; p116Rip; RHOIP3; RIP3 |
| **Mammalian Cell Selection:** | Puromycin |
| **Vector:** | pLenti-C-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **ACCN:** | NM_015134 |
| **ORF Size:** | 3114 bp |
| **ORF Nucleotide Sequence:** | The ORF insert of this clone is exactly the same as(RC211386). |
| **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_015134.2 |
| **RefSeq Size:** | 3858 bp |
| **RefSeq ORF:** | 3117 bp |
| **Locus ID:** | 23164 |
| **UniProt ID:** | Q6WCQ1 |
| **Cytogenetics:** | 17p11.2 |
| **Protein Families:** | Druggable Genome |
| **MW:** | 117.9 kDa |

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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]