

## Product datasheet for **KN211386LP**

### MPRIP Human Gene Knockout Kit (CRISPR)

#### Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 Luciferase-Puro donor, 1 scramble control
Donor DNA:	Luciferase-Puro
Symbol:	MPRIP
Locus ID:	23164
Components:	<b>KN211386G1</b> , MPRIP gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) <b>KN211386G2</b> , MPRIP gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) <b>KN211386LPD</b> , donor DNA containing left and right homologous arms and Luciferase-Puro functional cassette. <b>GE100003</b> , scramble sequence in pCas-Guide vector
Disclaimer:	These products are manufactured and supplied by OriGene under license from ERS. The kit is designed based on the best knowledge of CRISPR technology. The system has been functionally validated for knocking-in the cassette downstream the native promoter. The efficiency of the knock-out varies due to the nature of the biology and the complexity of the experimental process.
RefSeq:	<a href="#">NM_015134</a> , <a href="#">NM_201274</a> , <a href="#">NM_001364716</a>
UniProt ID:	<a href="#">Q6WCQ1</a>
Synonyms:	M-RIP; MRIP; p116Rip; RHOIP3; RIP3
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]



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## Product images:

