

Product datasheet for **KN211386BN**

MPRIP Human Gene Knockout Kit (CRISPR)

Product data:

Product Type:	Knockout Kits (CRISPR)
Format:	2 gRNA vectors, 1 mBFP-Neo donor, 1 scramble control
Donor DNA:	mBFP-Neo
Symbol:	MPRIP
Locus ID:	23164
Components:	KN211386G1 , MPRIP gRNA vector 1 in pCas-Guide CRISPR vector (GE100002) KN211386G2 , MPRIP gRNA vector 2 in pCas-Guide CRISPR vector (GE100002) KN211386BND , donor DNA containing left and right homologous arms and mBFP-Neo functional cassette. GE100003 , scramble sequence in pCas-Guide vector
RefSeq:	NM_015134 , NM_201274 , NM_001364716
UniProt ID:	Q6WCQ1
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:

