OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR222511L4V

Ripk3 (NM_019955) Mouse Tagged ORF Clone Lentiviral Particle

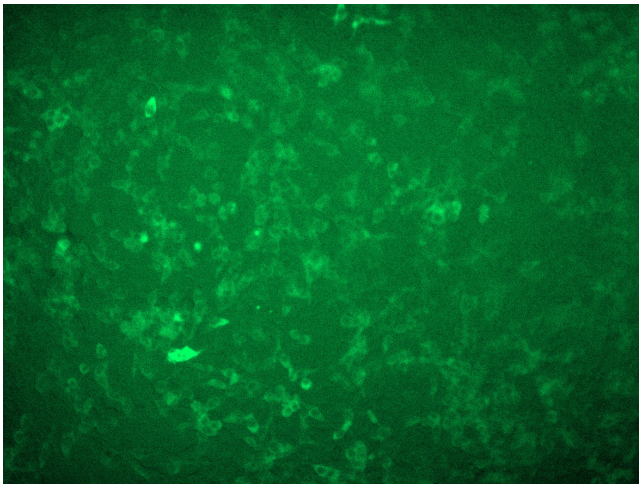
Product data:

Product Type:	Lentiviral Particles
Product Name:	Ripk3 (NM_019955) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ripk3
Synonyms:	2610528K09Rik; AW107945; Rip3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_019955
ORF Size:	1458 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR222511).`
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_019955.2, NP_064339.2
RefSeq Size:	1899 bp
RefSeq ORF:	1461 bp
Locus ID:	56532
UniProt ID:	Q9QZL0
Cytogenetics:	14 C3

View online »

Gene Summary: Essential for necroptosis, a programmed cell death process in response to death-inducing TNF-alpha family members. Upon induction of necrosis, RIPK3 interacts with, and phosphorylates RIPK1 and MLKL to form a necrosis-inducing complex. RIPK3 binds to and enhances the activity of three metabolic enzymes: GLUL, GLUD1, and PYGL. These metabolic enzymes may eventually stimulate the tricarboxylic acid cycle and oxidative phosphorylation, which could result in enhanced ROS production.[UniProtKB/Swiss-Prot Function]

Product images:



[MR222511L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with MR222511L4V particle to overexpress human Ripk3-mGFP fusion protein.