

## Product datasheet for **RR204589L3V**

### Mapk9 (NM\_017322) Rat Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Mapk9 (NM_017322) Rat Tagged ORF Clone Lentiviral Particle
Symbol:	Mapk9
Synonyms:	SAPK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_017322
ORF Size:	1269 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RR204589).
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_017322.2</a> , <a href="#">NP_059018.1</a>
RefSeq Size:	3711 bp
RefSeq ORF:	1272 bp
Locus ID:	50658
UniProt ID:	<a href="#">P49186</a>
Cytogenetics:	10q21



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**Gene Summary:**

The protein encoded by this gene is a member of the MAP kinase family. MAP kinases are multifunctional proteins. They are involved in a wide variety of cellular processes such as growth, proliferation, differentiation, transcription regulation, and development. They function in stress responses, apoptosis, inflammation and transformation. For example, this kinase plays a dominant role in mediating proliferation of lung cancer and prostate cancer cells, and in regulation of osmotic stress-induced tight junction disruption. Several alternatively spliced transcript variants encoding distinct isoforms have been reported. [provided by RefSeq, Jul 2012]