

## Product datasheet for **RC215441L4V**

### MAP3K9 (NM\_033141) Human Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	MAP3K9 (NM_033141) Human Tagged ORF Clone Lentiviral Particle
Symbol:	MAP3K9
Synonyms:	MEKK9; MLK1; PRKE1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_033141
ORF Size:	3354 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215441).
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_033141.2</a>
RefSeq Size:	5602 bp
RefSeq ORF:	3357 bp
Locus ID:	4293
UniProt ID:	<a href="#">P80192</a>
Cytogenetics:	14q24.2
Protein Families:	Druggable Genome, Protein Kinase
MW:	123.2 kDa



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**Gene Summary:**

Serine/threonine kinase which acts as an essential component of the MAP kinase signal transduction pathway. Plays an important role in the cascades of cellular responses evoked by changes in the environment. Once activated, acts as an upstream activator of the MKK/JNK signal transduction cascade through the phosphorylation of MAP2K4/MKK4 and MAP2K7/MKK7 which in turn activate the JNKs. The MKK/JNK signaling pathway regulates stress response via activator protein-1 (JUN) and GATA4 transcription factors. Plays also a role in mitochondrial death signaling pathway, including the release cytochrome c, leading to apoptosis.[UniProtKB/Swiss-Prot Function]