

## Product datasheet for **MR210947L4V**

### Map3k11 (NM\_022012) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Map3k11 (NM_022012) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Map3k11
Synonyms:	2610017K16Rik; Mlk3; PTK1; SPRK
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022012
ORF Size:	2550 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR210947).
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_022012.3</a> , <a href="#">NP_071295.2</a>
RefSeq Size:	3919 bp
RefSeq ORF:	2553 bp
Locus ID:	26403
UniProt ID:	<a href="#">Q80XI6</a>
Cytogenetics:	19 4.34 cM



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**Gene Summary:**

Activates the JUN N-terminal pathway. Required for serum-stimulated cell proliferation and for mitogen and cytokine activation of MAPK14 (p38), MAPK3 (ERK) and MAPK8 (JNK1) through phosphorylation and activation of MAP2K4/MKK4 and MAP2K7/MKK7. Plays a role in mitogen-stimulated phosphorylation and activation of BRAF, but does not phosphorylate BRAF directly. Influences microtubule organization during the cell cycle (By similarity). [UniProtKB/Swiss-Prot Function]