

Product datasheet for **RG239726**

MAP3K9 (NM_001284231) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K9 (NM_001284231) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAP3K9
Synonyms:	MEKK9; MLK1; PRKE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

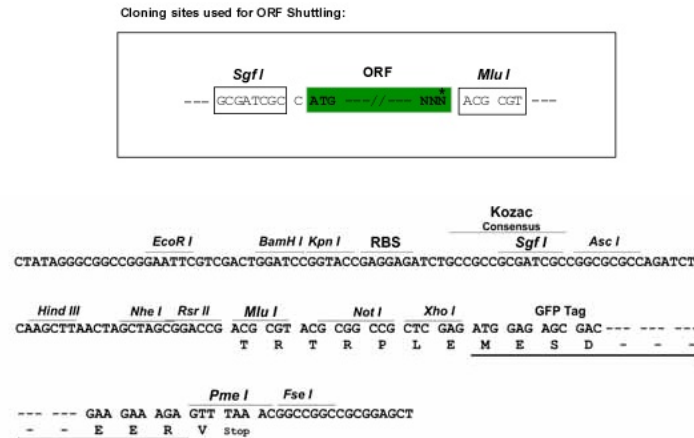
>RG239726 representing NM_001284231.
 Blue=ORF Red=Cloning site Green=Tag(s)

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CAGCAGGAGTTCTGGTCT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG239726
 Blue=ORF Red=Cloning site Green=Tag(s)

MELTGLEVALVLI LQKVENGDLSNKILKITDFGLAREWHRTTKMSAAGTYAWMAPEVIRASMFSGSDV
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 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: Sgfl-MluI

Cloning Scheme:


ACCN: NM_001284231

ORF Size: 2640 bp

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.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

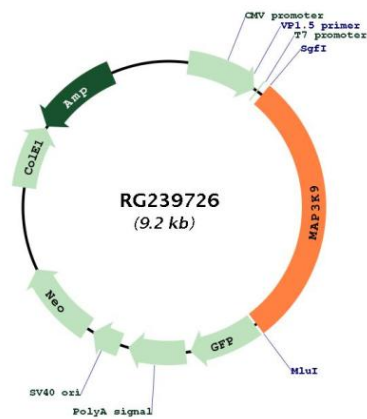
RefSeq: [NM_001284231.1](#), [NP_001271160.1](#)

RefSeq Size: 10742 bp

RefSeq ORF: 2643 bp

Locus ID:	4293
Cytogenetics:	14q24.2
Protein Families:	Druggable Genome, Protein Kinase
MW:	98.2 kDa
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]

Product images:



Circular map for RG239726