

Product datasheet for **RR210995**

Map3k11 (NM_001013150) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map3k11 (NM_001013150) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Map3k11
Synonyms:	MIk-3; MIk3; RHOE
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR210995 representing NM_001013150
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

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Protein Sequence: >RR210995 representing NM_001013150
Red=Cloning site Green=Tags(s)

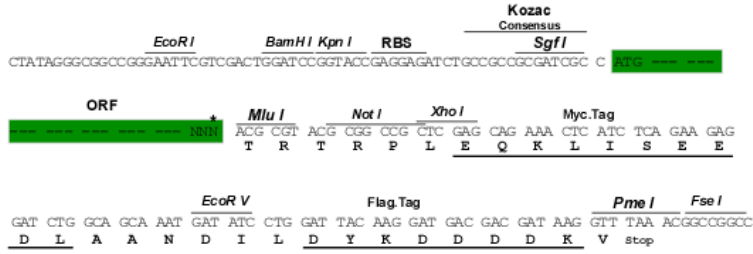
MEPLKNLFLKSPLGSWNGSGSGGGGGSGGVRPEGSPKATAAYANPVWTALFDYEPNGQDELALRKGDVE
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VPPHVLVNWAVQIARGMHYHCEALVPVIHRDLKSNIIILLQPIEGDDMEHKTLKITDFGLAREWHKTTQ
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PFAQLMADCWAQDPHRRPDFASILQQLEALEAQVLRMPRDSFHSMQEGWKREIQGLFDELRAKEKELLS
REEELTRAAREQRSQAEQLRRREHLLAQWELEVFERELTLLQVDRERPHVRRRRGTFRKSKLRARDGG
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RPSPLRNRIDPWSFVSAGPRPSPLPSPQPAPRRAPWTLFPDSDPFWDSPANPFRGGSQDCRTQTKDVGA
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Restriction Sites: Sgfl-Mlul

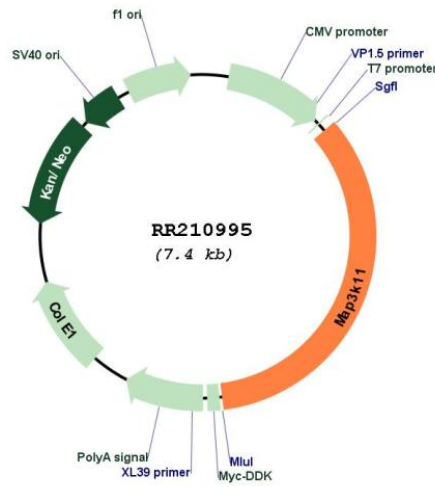
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN:	NM_001013150
ORF Size:	2550 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).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001013150.1 , NP_001013168.1
RefSeq Size:	3536 bp
RefSeq ORF:	2553 bp
Locus ID:	309168
UniProt ID:	Q66HA1
Cytogenetics:	1q43
MW:	93.1 kDa
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]