OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MR211423

Map3k21 (NM_145608) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Map3k21
Synonyms:	mKIAA1804; Mlk4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence:

>MR211423 representing NM_145608
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTCTACCTGTAGCCGAGGGCACGGCTGACACGCCGCTGTCCCCGGCCCGGGACGACTCGGGGAGTA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211423 representing NM_145608
Red=Cloning site Green=Tags(s)

MALPVAEGTADTPLSPARDDSGSTSSGMWAALYDYEARGEDELSLRRGQLVEVLSQDAAVSGDEGWWAGQ
VQRRLGIFPASYVAPCGPVPPPAPPPPRPCSPVHVDFERLELKELIGAGGFGQVYRATWQGQEVAVKAAR
RDPEQDAAAAAESVRREARLFAMLRHPNIIQLRGVCLRQPHLCLVLEFARGGALNRALAAAASDPRAPGP
RRARRIPPQVLVNWAVQIARGMLYLHEEAVVPILHRDLKSSNILLLEKIEHDDICNKTLKITDFGLAREW
HRTTRMSAAGTYAWMAPEVIRSSLFSKGSDIWSYGVLLWELLTGEVPYRGIDGLAVAYGVAVNKLTLPIP
STCPEPFAKLMKECWEQDPHIRPSFALILQQLTAIEEAVLTNMPQESFHSMQEDWKLEIQQMFSELRTKE
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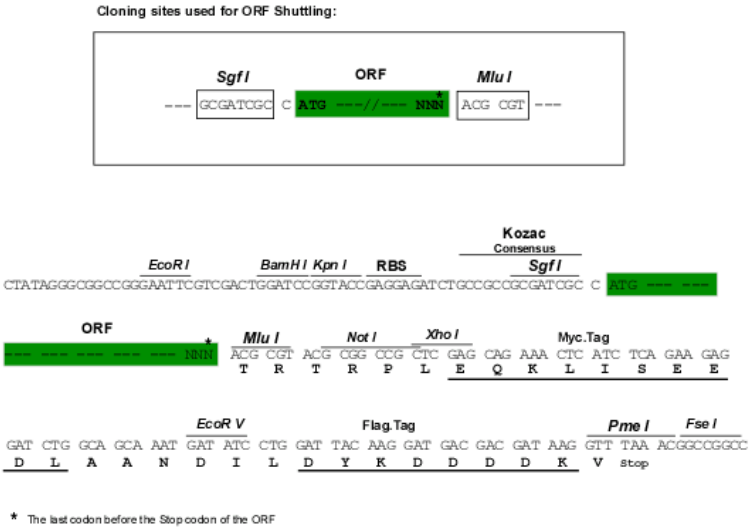
LGECQACPALPQRPHTASVRTTSPPTWVCDKDHQVPALACLLGAQERSRCQTPSLLDASIEGQKKDCAMP
LCRVKSVMCQPSIYALEKDFLT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9009_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

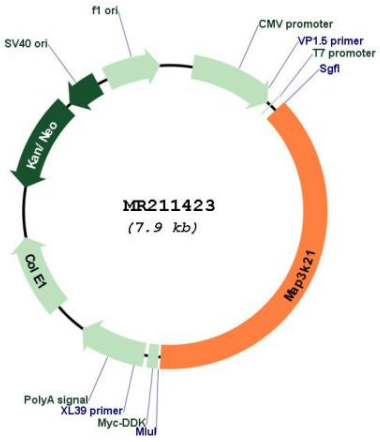


ACCN: NM_145608

ORF Size: 3006 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_145608.2, NP_663583.2
RefSeq Size:	5692 bp
RefSeq ORF:	3009 bp
Locus ID:	234878
UniProt ID:	Q8VDG6
Cytogenetics:	8 E2
MW:	110.6 kDa
Gene Summary:	Negative regulator of TLR4 signaling. Does not activate JNK1/MAPK8 pathway, p38/MAPK14, nor ERK2/MAPK1 pathways (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211423