

## Product datasheet for **RC240050**

### MAP3K19 (NM\_001018044) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K19 (NM_001018044) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	MAP3K19
Synonyms:	RCK; YSK4
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC240050 representing NM_001018044 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGAGTTCATGCCAAAACCAGAAAGACATGCTGAGTCATTGCTTGACATTTGTCATGATACAACTCTT  
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ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC240050 representing NM\_001018044  
 Red=Cloning site Green=Tags(s)

MSSMPKPERHAESLLDICHDTNSSPTDLMVTKNQNIILQSIISRSEEFDQDGDGCSHSTLVNEEDPSGGR  
 QDWQPRTEEFSTSHMKYSGRSIKFLLPPLSLLPTRSGVLTIPQNHKFPKEKERNIPSLTSFVPKLSVSVR  
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 FEKGQSLVSFENLKEGNIPAVREEDIDCHGSKTRKPEEENSQYLSSRKNESVAKNYEQDPEIVCTIPSK  
 FQETQHSEITPSQDEMRNKAASKRVSLHKNEAMEPNNILEECTVLKSLSSVVFDDPIDKLPEGCSME  
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 QEIMDSVNEELTDELLGCLAEALLALDEKDNNSCQKMANETDPENLNLVLRWRGSPKEMGRETTKVKI  
 QRHSSGLRIYDREKFLISNEKKIFSENSLKSEEPILWTKGEILGKGAYGTVYCGLTSSQGQLIAVKVAL  
 DTSNKLAAEKEYRKLQEEVDLLKALKHVNIVAYLGTCLQENTVSIFMEFVPGGSISSIIINRFGLPEMVF  
 CKYTKQILQGVAYLHENCVVHRDIKGNVMLMPTGIKIDFGCARRLAWAGLNTHSDMLKSMHGTPYW  
 MAPEVINESGYGRKSDIWSIGCTVFEMATGKPLASMDRMAAMFYIGAHRGLMPPLPDHFSENAADFVRM  
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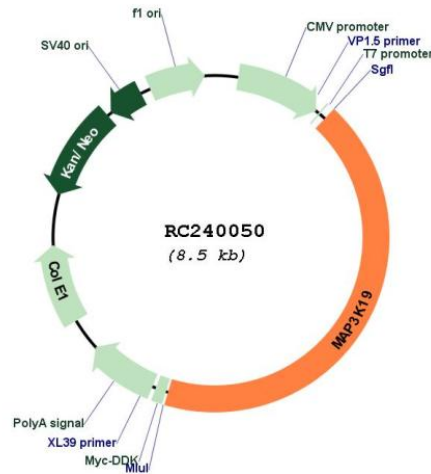
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



## Plasmid Map:



ACCN: NM\_001018044

ORF Size: 3645 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.

RefSeq: [NM\\_001018044.2](#), [NP\\_001018054.1](#)

RefSeq Size: 4048 bp

RefSeq ORF: 3648 bp

Locus ID: 80122

UniProt ID: [Q56UN5](#)

Cytogenetics: 2q21.3

**Protein Families:** Druggable Genome, Protein Kinase

**MW:** 138 kDa