

Product datasheet for **RC238373**

MAP3K19 (NM_001018047) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K19 (NM_001018047) 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



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ORF Nucleotide
Sequence:

>RC238373 representing NM_001018047
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGTTCATGCCAAAACCAGAAAGACATGCTGAGTCATTGCTTGACATTTGTCATGATACAAACTCTT
CTCCAAGTATTTGATGACAGTTACCAAAAATCAAAACATCATCTTGCAAAGCATCAGCAGAAGTGAGGA
GTTTCGACCAAGATGGTGACTGCAGTCATTCCACTGGTTAATGAAGAAGAAGATCCCAGTGGTGGTAGA
CAGGACTGGCAACCCAGGACAGAAGGTGTTGAGATCACTGTAACCTTTTCCAAGAGATGTCAGTCCTCCC
AAGAAATGAGCCAAGAAGACTTAAAAGAAAAGAATCTGATAAACTCATCGCTTCAAGAATGGGCACAAGC
ACATGCAGTTTCTCATCCAAATGAAATAGAAACGGTGGAGCTCAGGAAAAAGAAGCTGACCATGCGGCC
TTAGTTTTGCAAAAAGAGGAAAGTTCAGGGAGCTCTGCAATGTGAACCTGGGCTTTTGTACCAAGAT
CTTGTGTTAGAAGTGAACATTTCCAAGTCTGTAAACCAGAGAAGATGCTCCTCATTTTCTGAAGGAGCAGCA
AAGAAAATCTGAAGAGTTTTCGACCTCTCATATGAAGTACAGTGGCCGAAGCATCAAGAGGCATAGTAGT
GGGCTCAGGATATATGACAGGGAGGAGAAATTTCTCATCTCAAAATGAAAAGAAGATATTTTCTGAAAATA
GTTTAAAGTCTGAAGAACCTATCCTATGGACCAAGGTAGATTTGCTCAAAGCACTGAAACATGTCAACAT
TGTGGCCTATTTGGGGACATGCTTGAAGAGAACACTGTGAGCATTTTTCATGGAGTTTGTCTGTTGGC
TCAATCTCTAGTATTATAAACCGTTTTGGGCCATTGCCTGAGATGGTGTCTGTAATAATACGAAACAAA
TACTTCAAGGTGTTGCTTATCTCCATGAGAAGTGTGTTGACATCGCGATATCAAAGGAAATAATGTTAT
GCTCATGCCAACTGGAATAATAAAGCTGATTGACTTTGGCTGTGCCAGGCGTTTGGCCTGGGCAGGTTTA
AATGGCACCCACAGTACATGCTTAAGTCCATGCATGGGACTCCATATTGGATGGCCCCAGAAGTCATCA
ATGAGTCTGGCTATGGACGGAATCAGATATCTGGAGCATTGGTTGTACTGTGTTTGTAGATGGCTACAGG
GAAGCCTCCACTGGCTTCCATGGACAGGATGGCGCCATGTTTTACATCGGAGCACACCGAGGGCTGATG
CCTCCTTTACCAGACCACTTCTCAGAAAATGCAGCAGACTTTGTGCGCATGTGCCTGACCAGGGACCAGC
ATGAGCGACCTTCTGCTCTCCAGCTCCTGAAGCACTCCTTCTTGGAGAGAAGTCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238373 representing NM_001018047
Red=Cloning site Green=Tags(s)

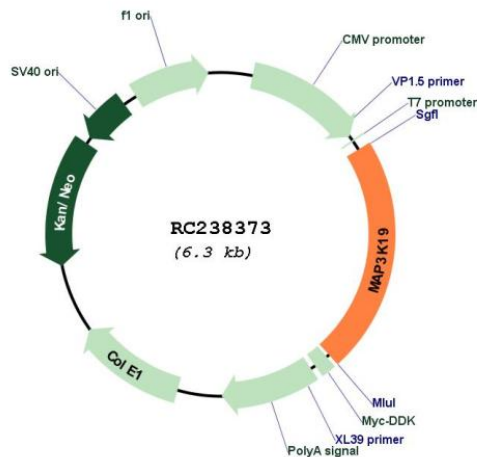
MSSMPKPERHAESLLDICHDTNSSPTDLMVTKNQNIILQSI SRSEEFDQDGDGDCSHSTLVNEEEDPSGGR
QDWQPRTEGVEITVTFPRDVSPPEMSQEDLKEKNLINSLSQEWQAHAHVSHPNIEIETVELRKKLTMRP
LVLQKEESSREL CNVNLGFLPRSCLELNISKSVTREDAPHFLKEQQRKSEEFSTSHMKYSGRSIKRHSS
GLRIYDREEKFLISNEKIFSENSLKSEEPILWTKVDLLKALKHVNIVAYLGTCLQENTVSIFMEFVPGG
SISSIIINRFGPLPEMFCKYTKQILQGVAYLHENCVVHRDIKGNVMLMPTGI IKLIDFGCARRLAWAGL
NGTHSDMLKSMHGTPYWMapevinesgygrksdiwsigctvfematgkpllasmdrmaamfyigahrglm
PPLPDHFSENAADFVRMCLTRDQHERPSALQLLKHSFLERSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001018047

ORF Size: 1386 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_001018047.2](#), [NP_001018057.1](#)

RefSeq Size: 1789 bp

RefSeq ORF: 1389 bp

Locus ID: 80122

UniProt ID: [Q56UN5](#)

Cytogenetics: 2q21.3

Protein Families: Druggable Genome, Protein Kinase

MW: 53 kDa