

Product datasheet for **RC238354**

MAP3K19 (NM_001282883) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K19 (NM_001282883) 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:

>RC238354 representing NM_001282883
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGTTCATGCCAAAACCAGAAAGACATGCTGAGTCATTGCTTGACATTTGTCATGATACAAACTCTT
 CTCCAAGTATTTGATGACAGTTACCAAAAATCAAACATCATCTTGCAAAGCATCAGCAGAAGTGAGGA
 GTTCGACCAAGATGGTGACTGCAGTCATTCCACTGGTTAATGAAGAAGAAGATCCAGTGGTGTAGTA
 CAGGACTGGCAACCCAGGACAGAAGGTGTTGAGATCACTGTAACTTTTCCAAGAGATGTCAGTCTCCCC
 AAGAAATGAGCCAAGAAGACTTAAAAGAAAAGAATCTGATAAACTCATCGCTTCAAGAATGGGCACAAGC
 ACATGCAGTTTCTCATCAAATGAAATAGAAACGGTGGAGCTCAGGAAAAAGAAGCTGACCATGCGGCC
 TTAGTTTTGCAAAAAGAGGAAAGTTCAGGGAGCTCTGCAATGTGAACCTGGGCTTTTTGCTACCAAGAT
 CTTGTTTGAAGTGAACATTTCCAAGTCTGTAAACAGAGAAGATGCTCCTCATTTTCTGAAGGAGCAGCA
 AAGAAAATCTGAAGAGTTTTCGACCTCTCATATGAAGTACAGTGGCCGAAGCATCAAGGTATACTGTGGT
 CTAAGTCAAGGACAGCTAATAGCTGTAAAACAGGTGGCTTTGGATACCTCTAATAAAATTAGCTGCTG
 AAAAGGAATACCGAAACTACAGGAAGAAGTAGATTTGCTCAAAGCACTGAAACATGTCAACATTGTGGC
 CTATTTGGGGACATGCTTGCAAGAGAACACTGTGAGCATTTTCATGGAGTTTGTCTGGTGGCTCAATC
 TCTAGTATTATAAACCGTTTTGGGCCATTGCTGAGATGGTGTCTGTAATATACGAAACAAATACTTC
 AAGGTGTTGCTTATCTCCATGAGAACTGTGTGGTACATCGCGATATCAAAGGAAATAATGTTATGTCAT
 GCCAAGTGAATAATAAGCTGATTGACTTTGGCTGTGCCAGGCGTTTGGCTGGCAGGTTTAAATGGC
 ACCACAGTGCATGCTTAAGTCCATGCATGGGACTCCATATTGGATGGCCCCAGAAGTCATCAATGAGT
 CTGGCTATGGACGAAATCAGATATCTGGAGCATTGGTTGTACTGTGTTTGAAGTGGCTACAGGGAAGCC
 TCCACTGGCTTCCATGGACAGGATGGCCGCCATGTTTTACATCGGAGCACACCGAGGGCTGATGCCTCCT
 TTACCAGACCACTTCTCAGAAAATGCAGCAGACTTTGTGCGCATGTGCCTGACCAGGGACCAGCATGAGC
 GACCTTCTGCTCTCCAGCTCCTGAAGCACTCCTTCTTGAGAGAAGTCAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC238354 representing NM_001282883
 Red=Cloning site Green=Tags(s)

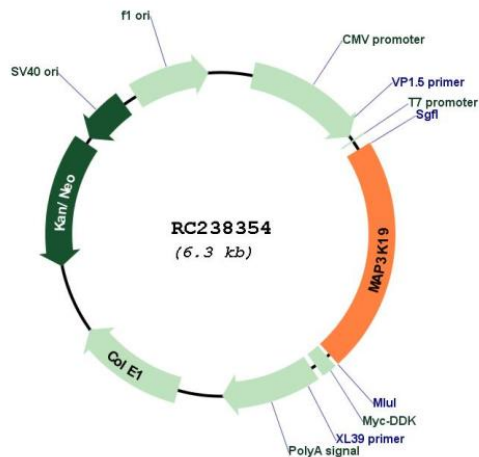
MSSMPKPERHAESLLDICHDTNSSPTDLMVTKNQNIILQSI SRSEEFDQDGDGDCSHSTLVNEEDPSGGR
 QDWQPRTEGVEITVTFPRDVSPPEMSQEDLKEKNL INSSLQEWQAHAHVSHPNIEIETVELRKKLTMRP
 LVLQKEESSREL CNVNLGFLPRSCLELNISKSVTREDAPHFLKEQQRKSEEFSTSHMKYSGRSIKVYCG
 LTSQQL IAVKQVALDTSNKLA AEKEYRKLQEEVDLLKALKHVNIVAYLGTCLQENTVSI FMEFVPGGSI
 SSIINRFGLPEMVFCKYTKQILQGVAYLHENCVVHRDIKGNVMLMPTGI IKLIDFGCARRLAWAGLNG
 THSDMLKSMHGTPYWMapevinesgygrksdiwSIGCTVFEMATGKPLASMDRMAAMFYIGAHRGLMPP
 LPDHFSENAADFVRMCLTRDQHERPSALQLLKHSLERSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:

Plasmid Map:


ACCN: NM_001282883

ORF Size: 1380 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_001282883.1](#), [NP_001269812.1](#)

RefSeq Size: 1783 bp

RefSeq ORF: 1383 bp

Locus ID: 80122

UniProt ID: [Q56UN5](#)

Cytogenetics: 2q21.3

Protein Families: Druggable Genome, Protein Kinase

MW: 52.4 kDa