

Product datasheet for **RG219370**

MAP3K19 (NM_001018046) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAP3K19 (NM_001018046) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MAP3K19
Synonyms:	RCK; YSK4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG219370 representing NM_001018046
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAGTTCATGCCAAAACCAGAAAGACATGCTGAGTCATTGCTTGACATTTGTCATGATACAACTCTT
 CTCCAACGTATTTGATGACAGTTACCAAAAATCAAACATCATCTTGCAAAGCATCAGCAGAAGTGAGGA
 GTTCGACCAAGATGGTGACTGCAGTCATTCCACTGGTTAATGAAGAAGAAGATCCAGTGGTGGTAGA
 CAGGACTGGCAACCCAGGACAGAAGGTGTTGAGATCACTGTAACTTTTCCAAGAGATGTCAGTCTCCCC
 AAGAAATGAGCCAAGAAGACTTAAAAGAAAAGAATCTGATAAACTCATCGCTTCAAGAATGGGCACAAGC
 ACATGCAGTTTCTCATCAAATGAAATAGAAACGGTGGAGCTCAGGAAAAAGAAGCTGACCATGCGGCC
 TTAGTTTTGCAAAAAGAGGAAAGTTCCAGGGAGCTCTGCAATGTGAACCTGGGCTTTTTGCTACCAAGAT
 CTTGTTTGAAGTGAACATTTCCAAGTCTGTAAACAGAGAAGATGCTCCTCATTTTTGAAAGGAGCAGCA
 AAGAAAATCTGAAGAGTTTTCGACCTCTCATATGAAGTACAGTGGCCGAAGCATCAAGAGGCATAGTAGT
 GGGCTCAGGATATATGACAGGGAGGAGAAATTTCTCATCTCAAATGAAAAGAAGATTTTTCTGAAAATA
 GTTTAAAGTCTGAAGAACCTATCCTATGGACCAAGGGTGAGATCTTGGAAAGGGAGCCTACGGCACAGT
 ATACTGTGGTCTCACTAGTCAAGGACAGCTAATAGCTGTAAAACAGGTGGCTTTGGATACCTCTAATAAA
 TTAGCTGCTGAAAAGGAATACCGGAAACTACAGGAAGAAGTAGATTTGCTCAAAGCACTGAAACATGTCA
 ACATTGTGGCCTATTTGGGGACATGCTTGAAGAGAACACTGTGAGCATTTTCATGGAGTTTGTCTCTGG
 TGGCTCAATCTCTAGTATTATAAACCGTTTTGGCCATTGCTGAGATGGTGTCTGTAATATACGAAA
 CAAATACTCAAGGTGTGCTTATCTCCATGAGAACTGTGTGGTACATCGCGATATCAAAGGAAATAATG
 TTATGCTCATGCCAACTGGAATAATAAAGCTGATTGACTTTGGCTGTGCCAGCGCTTTGGCCTGGCAGG
 TTTAAATGGCACCCACAGTGACATGCTTAAGTCCATGCATGGGACTCCATATTGGATGGCCCAAGAAGTC
 ATCAATGAGTCTGGCTATGGACGAAATCAGATATCTGGAGCATTGGTTGTACTGTGTTGAGATGGCTA
 CAGGGAAGCCTCCACTGGCTTCCATGGACAGGATGGCCGCCATGTTTTACATCGGAGCACACCGAGGGCT
 GATGCCTCCTTTACCAGACCACTTCTCAGAAAATGCAGCAGACTTTGTGCGCATGTGCTGACCAGGGAC
 CAGCATGAGCGACCTTCTGCTCTCCAGCTCCTGAAGCACTCCTTCTTGGAGAGAAGTCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

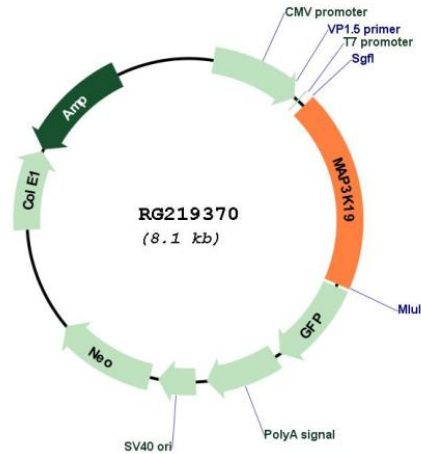
>RG219370 representing NM_001018046
 Red=Cloning site Green=Tags(s)

MSSMPKPERHAESLLDICHDTNSSPTDLMTVTKNQNIILQSI SRSEEFDQDGDGDCSHSTLVNEEDPSGGR
 QDWQPRTEGVEITVTFPRDVSPPQEMSQEDLKEKNL INSSLQEWQAQHAVSHPNIEIETVELRKKKLTMRP
 LVLQKEESSRELCNVNLGFLLRSCLELNI SKSVTREDAPHFLKEQQRKSEEFSTSHMKYSGRSIKRHSS
 GLRIYDREEKFLISNEKKIF SENSLKSEEPILWTKGEILGKGAYGTVYCGLT SQQLI AVKQVALDTSNK
 LA AEKEYRKLQEEVDLLKALKHVNI VAYLGTCLQENTVSIFMEFVPGGSISSI INRFGPLPEMVFCKYTK
 QILQGVAYLHENCVVHRDIKGNVMLMPTGI IKLIDFGCARRLAWAGLNGTHSDMLKSMHGTPYWM APEV
 INESGYGRKSDIWSIGCTVFEMATGKPPLASMDRMAAMFYIGAHRGLMPPLPDHFSENAADFVRMCLTRD
 QHERPSALQLLKHSFLERSH

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Plasmid Map:


ACCN: NM_001018046

ORF Size: 1530 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_001018046.3](#)

RefSeq Size: 1711 bp

RefSeq ORF: 1533 bp

Locus ID: 80122

UniProt ID: [Q56UN5](#)

Cytogenetics: 2q21.3

Protein Families: Druggable Genome, Protein Kinase