

Product datasheet for **RR201323**

Mapkapk5 (NM_001025761) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mapkapk5 (NM_001025761) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mapkapk5
Synonyms: MGC116327
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR201323 representing NM_001025761
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGAGATGATGGAAGGGGGCGAGCTGTTTCACAGAATCAGCCAGCACCCGGCACTTTACAGAGAAGCAAG
CCAGCCAAGTAACAAAGCAGATAGCCCTGGCTCTACAGCACTGTCACCTTGCTAAACATTGCGCACAGAGA
CCTCAAGCCTGAAAATCTGCTTTTCAAGGATAACTCTTTGGACGCCCTGTGAAGTTATGTGACTTTGGG
TTTGCTAAAGTTGACCAAGGTGATTTGATGACGCCCAAGTTACCCCTTACTATGTAGCACCTCAGGTAC
TGGAAAGCAGAGAAGGCACCAGAAGGAGAAGTCTGGCCTCATCCCTACCTCGCCAACGCCCTACTTTA
CAACAAGAGCTGTGACTTGTGGTCCCTCGGGGTGATAATTTATGTGATGCTATGCGGATACCCCTCTTTT
TACTCCAAACACCACAGTCGGACCATCCCAAAGGACATGCGGAAAAAGATCATGACAGGGAGTTTGTGAGT
TCCCGGAGGAAGAGTGGAGCCAGATCTCAGAGATGGCCAAAGACGTGGTGAGGAAGCTTCTAAAGGTCAA
ACCAGAGGAAAGACTCACAATCGAGGGGGTGTGGACCATCCCTGGCTCAACTCGACAGAGGCCCTGGAT
AATGTGCTACCCCTCTGCTCAGCTGATGATGGATAAGGCAGTGGTGCAGGGATCCAGCAGGCTCATGCCG
AGCAGCTGGCAAACATGAGGATCCAGGACCTCAAAGTCAGCCTCAAACCCCTGCACCTGTGAACAACCC
CATTCTGAGGAAGAGGAAGCTACTGGGCTCCAAGCCAAAGGATGGTGTATATCCACGACCATGAGAAT
GGAGTCGAGGATTCAAATGTTGCCTTGGAAAAGCTTCGCGATGTCATTGCCAGTGCATCCTTCCCAGG
CTGGTAAAGGAGAGAATGAAGATGAGAAGCTCAATGAGGTAATGCAGGAGGCCTGGAAGTACAACCGGGA
GTGCAAACCTCTGCGGGACGCGCTGCAGAGTTTTAGCTGGAATGGTCGTGGATTACAGATAAAGTGGAC
CGATTAAGCTGGCAGAGGTTGTGAAGCAGGTGATCGAAGAGCAGACCCTTCCCCACGAGCCCCAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR201323 representing NM_001025761
 Red=Cloning site Green=Tags(s)

MEMMEGGELFHRISQHRHFTEKQASQVTKQIALALQHCHLLNIAHRDLKPENLLFKDNSLDAPVKLCDFG
 FAKVDQGDLMTPQFTPYVYAPQVLEAQRHRHQEKESGLIPTSPPTYTYNKSCDLWSLGVIIYVMLCGYPPF
 YSKHHSRTIPKDMRKKIMTGSFEFPEEESQISEMAKDVVRKLLKVKPEERLTIEGVLDHPWLNSTEALD
 NVLPASAQLMMDKAVVAGIQQAHAEQLANMRIQDLKVS LKPLHSVNNPILRKRKLLGSKPKDGVYIHDHEN
 GVEDSNVALEKLRDVI AQCILPQAGKGENEDEKLEVMQEAWKYNRECKLLRDALQSF SWNGRGFTDKVD
 RLKLAEVVKQVIEEQTL PHEPQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

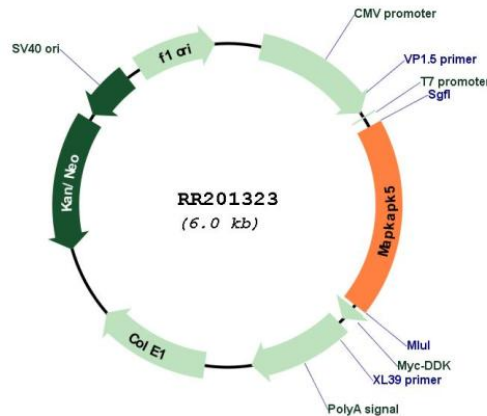
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001025761

ORF Size:	1116 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:	<ol style="list-style-type: none">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_001025761.2 , NP_001020932.2
RefSeq Size:	1330 bp
RefSeq ORF:	1119 bp
Locus ID:	498183
Cytogenetics:	12q16
MW:	42.7 kDa