

Product datasheet for RR217459

Map3k9 (NM_001100872) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Map3k9 (NM_001100872) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Map3k9
Synonyms: RGD1562149
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR217459 representing NM_001100872
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGGATCGCC

ATGGAGTCTCCAGATCGTTCTCGGCTGCCTGGCGAGCGCCGCTGCGGCCCGCCGGGGAGGATGCCA
 CCGGTGCTGGGGCCGAAGAGGAGGAAGACGAAGAGGAGGGCGGCCGAGCTGGGATCTCATGCCACGCT
 GCCCTACTGGACGGCTGTGTTTCGAGTACGAGGCGCAGGAGAGGACGAGCTGACCCTGCGGCTGGGCGAT
 GTGGTAGAGGTGCTGTCCAAGGACTCTCAGGTGTCCGGCGATGAGGGCTGGTGGACCGGACAGCTGAACC
 AGCGGGTGGGCATCTTCCCCAGCAACTACGTGACCCCGCGCAGCGCCTTCTCCAGTCTGCCAGCCGGG
 CACGGAGGACCCAGCTGCTACCCGCCATTACGCTGTTGGAGATTGATTTTGGCGAGCTAACCTGGAG
 GAGATCATCGGCATTGGAGGCTTTGGGAAAGTCTATCGTGCTTTCTGGTAGGTGACGAGGTGGCCGTGA
 AAGCAGCTCGCCACGACCTGATGAGGACATCAGCCAGACCATAGAGAATGTTCCGAAGAGGCCAAGCT
 CTTTGCCATGCTGAAACACCCGAACATCATTGCCCTCAGAGGGGTGTGCCTGAAGGAACCCAACTCTGC
 TTGGTTCATGGAGTTCGCTCGTGGAGGGCCTCTGAACAGAGTGTGCTGGGAAGAGGGTTCCTCCGACA
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 AAGACTCTGAAGTCACTGACTTCGGGCTGGCACGGGAATGGCACCGGACCAAGATGAGTGGCGCGG
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CCTCGGATTTCCAGCACAAAGTTCACGGTGCAGGCCTCCCCGACCATGGATAAAAGGAAGAGTTTGATCAG
 CAACCGATCGAGTCTCTGCAAGCCCCACCATCATCCCTCGCCTTCGAGCCATTAGTTGACACCAGGT
 GAAAGTAGTAAAACCTGGGGCCGGAGCTCAGTTGTTCCAAAAGAGGAAGGGGAAGAAGAGGAGAAGAGGG
 CCCCAAAGAAGAAAGGCCGGACGTGGGGACCAGGGACGCTTGACAGAAGGAGCTCACGTGAGGAGATGA
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 TCCTGACCCCAACGTGGTCTTTCCCCAACTCCGAGGCGCTGGAACACACAGCGAGACTCTACCTAGA
 GAGACCAAGACGCTGGAGTTTCTGCCTCGGCCAGTCTTCTGCCAACCCGAGCGGCTGGACCCTTGG
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 ACCTGGACTCTGCTTTGCCAGCAGCAGCAGTGTGGAAGAGCGGCTGGACTCCCAGCCCTGCTCCC
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR217459 representing NM_001100872
 Red=Cloning site Green=Tags(s)

MESSRSLGLCLASAAAAPPGEDATGAGAEEDDEEEAAELGSHATLPYWTAVFEYEAAGEDELTLRLGD
 VVEVLSKDSQVSGDEGWWTGQLNQRVGFPSNYVTPRSFSSRCQPGTEDPSCYPPIQLLEIDFAELTLE
 EIIIGIGGFGKVVYRAFVWGDEVAVKAARHPDEDISQTIENVRQEAFLFAMLKHPNIIALRGVCLKEPNLC
 LVMFARGGPLNRVLSGKRVPPDILVNWAVQIARGMNYLHDEAIVPVIHRDLKSSNILILQKVENGDLSN
 KTLKITDFGLAREWHRTTKMSAAGTYAWMAPEVIRASMFSGSDVWVSYGVLLWELLTGEVFPFRGIDGLAV
 AYGVMNKLALPIPSTCPEPFKLMEDCWNPDPHSRPSSSILDQLTTIEESGFEMPCKDSFHCLQDDWK
 HEIQEMFDQLRAKEKELRTWEEELTRALQKQNEELLRRREQELAEREIDILERELNIIHQLCQEKPR
 YKKRKGKFRKSRLLKLDGNRISLPSDFQHKFTVQASPTMDKRKSLISNRSSPPASPTIIPRLRAIQLTGP
 ESSKTWGRSSVVPKEEGEEEEKRAPKKKGRTWGPGTLGQKELTSGDEGLKSLVDGYKQWSSAPNLGKGP
 RSPALPGFTSLMEIEDEDSEPGSGENHLQHSPNQSYLCIPFRGEDGDGPDSDGIHEEPTPVNSATST
 PQLTPTNSLKRSGTHHRRCEVALLGCGAVLAATGLGFDLLEAGKQQLLPPEEPEPPAREEKKRREGLFQR
 ASRPRRSTSPSRKLFKKEEPMTLLGDPSASLTLTLLSSISECNSTRSLLRSDSDEIVVYEMPVSPVEAP
 PLTQCTQNPLVNVVRFKRDPNQSLTPHTVLTAPTQPSGHRRTPSDGALKPASVPPALGSRSPSSNGV
 SPGPGAGMLKTPSPSRDPEFPRLPDPNVVFPPTPRRWNTQRDSTLERPKTLEFLPRPRPSANRQRLDPW
 WFKVSPSHARSASPANSSSTETPSNLDSCFASSSSTVEERPGLPALLPLQAGPLPPAERTLLDLDAEQSQ
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

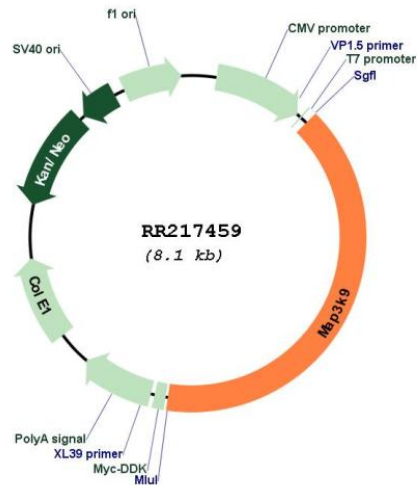
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001100872

ORF Size: 3231 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:	<u>NM_001100872.1, NP_001094342.1</u>
RefSeq Size:	3638 bp
RefSeq ORF:	3234 bp
Locus ID:	500690
Cytogenetics:	6q24
MW:	118.7 kDa