

## Product datasheet for **RR205220**

### Map4k3 (NM\_133407) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Map4k3 (NM_133407) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Map4k3
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR205220 representing NM\_133407  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAACCCGGGCTTCGACCTGTCCCGCCGGAACCCGAGGAGACTTCGAGCTGATCCAACGCATAGGCA  
 GCGGCACCTACGGCGACGTCTACAAGGCACGGAATGTCAACACTGGAGAATTAGCCGCAATTAAGTGAT  
 AAAATTGGAACAGGAGAAGACTTCGCGGTTGTACAGCAAGAAATCATTATGATGAAAGACTGCAAACAT  
 GCAAACATCGTTGCTTATTTTGGAAATTATCTCAGGCGAGATAAACTTTGGATTTGCATGGAATTTTGTG  
 GAGGTGGCTCTTTACAGGACATCTATCATGTAACCTGGCCCCCTTCAGAGCTGCAGATTGCATACGTTAG  
 CAGGGAACACTCCAGGATTGTATTACCTTCACAGTAAAGGAAAAATGCACAGAGATATAAAGGGCGCT  
 AACATCTACTAACGGATAACGGTCATGTGAAATTAGCTGATTTTGGAGTTTCCGCACAGATAACAGCTA  
 CAATTGCCAAACGGAAGTCTTCATTGGTACCCCATATTGGATGGCCCCAGAAGTCGCGGCTGTTGAGCG  
 GAAAGGAGGGTACAATCAGCTGTGTGACCTCTGGGCTGTGGGCATCACTGCCATCGAGCTGGCGGAGCTC  
 CAGCCACCCATGTTTGACCTTCACCAATGAGGGCATTGTTTCTAATGACAAAAAGCAATTTCCAGCCTC  
 CTAATAAAAAAGATAAGTTGAAGTGGTCAATAGTTTCCATCATTGTTGTGAAGATGGCTCTTACAAAAA  
 TCCAAAAAAGACCCACTGCAGAAAAGCTGCTACAGCATCCCTTTGTCACACAGCCTCTGACGAGGTCT  
 TTGGCAATCGAGTTGCTGGACAAGGTGAATAATCCAGATCATTCCACATACCACGACTTTGACGATGATG  
 ACCCAGAGCCTCTTGTGCTGTACCACATAGAATTCTTCAACTAGTAGGAATGTGAGAGAAGAAAAAGAC  
 ACGCTCAGAGATAAACTTTGGTCAGGTAATAATTTGACCCGCCCTAAGGAAGGAGACAGAGCCGCATCAT  
 GAACCTTGATCTACAATTAGAGTACGGCAAGGACACCAAAAGTAATTACTTTTTAGGTGGAACAAGAGTC  
 TTCTGAAGTCTGTTGAAGAGGAGCTGCACCAGCGAGGACACGTGGCACACTTAGAAGATGACGAAGGGGA  
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 ATCTCCATACCACAGGATACACATTCTTCTGAGGACAGTAATCAAGGCACAATCAAGAGATGTCCCTCAT  
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 TGCTGTTTTAGGCAATGGGGTGAGCTCCTTCCAGCTCAATGGTGAACGGGACGGGTGGTGCATCAGCAG  
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 GCCTTCCCCAACACCTAAAGTGCATATGGGAGCATGTTTTTCAAAGTTTTTAAATGGATGTCCCTTGAA  
 AATCCACTGTGCCACATCTTGGATAAATCCGGACAGGAGACCAGTACTTGATATTTGGCGCTGAAGAG  
 GGCATTTATACCCTTAATCTCAATGAATTCATGAAACATCAATGGAACAGCTGTCCCCCGCAGGTGTA  
 CGTGGTTGATGTAATGAACAACCTGCTTACTGTCCGTATCCGGCAAAGCCTCTCAGCTTTATTCCACAA  
 TTTACCAGGGCTTTTCGATTATGCAAGACAGATGCAGAAGTTACCTGTAGCCATCCCAGCACACAAGCTC  
 CCGGATCGAATACTGCCAGGAAATTTGCTGTATCAGCAAAGATTCTGAAACCAAGTGGTGTGAGAAGT  
 GCTGCGTGGTGAGAAATCCTTACACGGGCCATAAGTACCTGTGCGGAGCACTTCAGACTAGCATTGTTCT  
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 CTCCGGATGTTTCGAGATGCTGGTGGTGCCAGAGCAGGAGTACCCTCTGGTCTGTGTTGGCGTCAGTAGAG  
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 GTCAGATACCCCGCAGACAAACGTCACCCATGTGACCCAGCTGGAGAGAGACACCATCTCGTGTGCTTG  
 GATTGTTGTATAAAAAATAGTGAATCTCCAAGGAAGATTGAAATCCAGCAGAAAATTATCTTCAGAGCTCA  
 CCTTCGATTTCCAGATAGAATCCATAGTTTGTCTACAAGACAGTGTGCTAGCTTTCTGGAACACGGGAT  
 GCAAGGTAGAAGTTTTAGATCTAACGAGGTAACACAAGAAATTTTCAGATAACACAAGAAATCTTCAGACTT  
 CTTGGATCTGACAGGTTGTGGTTTTGGAAAGTAGACCAACTGACAACCCAAACAGCAAATAGCAATTTAT  
 ACATCCTGGCGGGCCACGAAAACAGCTAC

**ACGGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR205220 representing NM\_133407  
 Red=Cloning site Green=Tags(s)

MNPGFDLRRNPQEDFELIQRIGSGTYGDVYKARNVNTGELAAIKVIKLEPGEDFAVVQQEIIIMMKDCKH  
 ANIVAYFGSYLRRDKLWICMEFCGGSLQDIYHVTGPLSELQIAYVSRETLOGLYYLHSGKGMHRDIKGA  
 NILLTDNGHVKLADFGVSAQITATIARKRSFIGTPYWMAPEVAVERKGGYNQLCDLWAVGITAIELAEL  
 QPPMFDLHMPRALFLMTKSNFQPPKLDKDLKWSNSFHHFVKMALTKNPKKRPTAEKLLQHPFVTQPLTRS  
 LAIELLDKVNNDHSTYHDFDDDDPEPLVAVPHRIPSTSRNVREKTRSEINFGQVKFDPPLRKETEPHH  
 ELDLQLEYGQGHQSNYFLGGNKSLKSVEEELHQRGHVAHLEDDDEGDDDDSKHSTLKAKVPPPLPPKPKS  
 ISIPQDTHSSEDSNQGTIKRCPSSGSPAKPSHVPPRPPPPRLPPQKPAVLGNGVSSFQLNGERDGSVHQQ  
 QSEQRGTNLSRKEKDVPKPISNGLPPTPKVHMGACFSKVFNGCPLKIHCATSWINPDTRDQYLIFGAE  
 GIYTLNLNELHETSMEQLFPRRCTWLYVMNCLLSVSGKASQLYSHNLPGLFDYARQMQLPVAIPAHKL  
 PDRILPRKFAVSAKIPETKWCQCCVVRNPYTGHKYLCGALQTSIVLLEWVEPMQKFMLIKHIEFPMPCP  
 LRMFEMLVVPEQEYPLVCVGVSRGRDFNQVRFETVNPNSTSSWFTESDTPQTNVTHVTQLERDITLVCL  
 DCCIKIVNLQGRKSSRKLSEELTFDFQIESIVCLQDSVLAFWKHGMQGRSFRSNEVTQEISDNTRIFRL  
 LGSDRVVLESRPTDNPTANSNLYILAGHENSY

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI



<b>ACCN:</b>	NM_133407
<b>ORF Size:</b>	2619 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_133407.1</a> , <a href="#">NP_596898.1</a>
<b>RefSeq Size:</b>	4109 bp
<b>RefSeq ORF:</b>	2622 bp
<b>Locus ID:</b>	170920
<b>UniProt ID:</b>	<a href="#">Q924I2</a>
<b>Cytogenetics:</b>	6q11
<b>MW:</b>	98.7 kDa
<b>Gene Summary:</b>	a mitogen-activated protein kinase kinase kinase kinase that functions upstream of c-Jun N-terminal kinase [RGD, Feb 2006]