

Product datasheet for **RR206924**

Map6 (NM_017204) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map6 (NM_017204) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Map6
Synonyms:	Mtap6
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RR206924 representing NM_017204
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTGGCCGTGCATCACTAGGGCCTGCTGCATCGCCCGTTCTGGAACCAGTGGACAAGGCGGACA
 TTGCGGTGCCGCTGGTTTTACCAAGTACTCGGAGGCCACCGAACATCCAGGCGCCCTCCGAGCCACC
 AGCGCCGCGCAGCCCGGTTAGCGCCCCCTCGCGTGTGTGCGCATAGAGACGACGCCAGCCAGGGGA
 GAGTGGATGCAGTTGCCCGGGCAACAGGGCCGGCACCCGGGCCAGCGGTGACCGCGAGACTGCAGCCG
 CCCCCGGCGGAGCGGGCTGGGCTTGGGCGCGGCTCCGGCTCCACTTCCGGCTCAGGCCGGGGACTC
 GGTGATGCGACAGGACTACCGTGCCTGGAAGGTGCAGCGGCCGAGCCAGCTGCCGGCCGGAAGCGAG
 TACCAGCCGTCGACGCGCCCTTCGAGCGGAGACCCAGTACCAGAAGGACTTCCGCGCTGGCCACTGC
 CCCGCCGCGGGACCACCCCTGGATCCCAAGCCCGTGCAGATCCCTGCGACTTCGACGCTTCCCCGCC
 TGTTCTCGGGATGCCAAGCGTCGGCCTCAAAGCCAAGAGCGCGGCCCATACAACCTTCTGCTGATGCC
 CGGGACCCGGAGGGTGTGGAGGAGCCGGGTGCCGGCGCCGAAAGGGCTCCGGTGCAGACCAGCGTG
 ACACACGCCGGAAGGCAGGGCCAGCATGGATGGTACTCGCACCGAAGGGCACGAGGAGAAGCCTCTGCC
 CCCGGCCAGTCCAGACCCAGGAAGGCGGTCTGCAGCTGAAAAGGCGTCCGGTGCAGATCAGCGTGAC
 ACACGCCGGAAGGCGGGACCCCGTGGATGGTACTCGCACCGAAGGGCACGAGGAGAAGCCTCTGCCCC
 CGGCCAGTCCCAGACCCAGGAAGGCGGTCTGCAGCTGAAAAGGCGTCCGGTGCAGATCAGCGTGACAC
 ACGCCGGAAGGCGGGACCCCGTGGATGGTACTCGCACCGAAGGGCACGAAGAGACGCCCTCTGCCACCC
 GCCAGTCCCAGACCCAGGAGGGCGGCCCTGCCGCTGAAAAGGCGTCCGGTGCAGATCAGCGTGACAC
 GCCGGAAGGCGGGACCCCGTGGATGGTACTCGCACCGAAGGGCACGAAGAGACGCCCTGCCACCCGC
 CCAGTCCCAGACCCAGGAGGGCGGCCCTGCCGCTGAAAAGGCATCTGGTGCAGATGAACGCGACACGAGG
 AGGAAGGCGGGCCGGCCTGGATGGTGCCTCGCTCCGAGGGCACGAGCAGACCGCTGCCCATGCC
 AAGGCACAGGGCCGAAGGAGGCAAGGGCGCGGTTGGTGTATGCCCTCAACAGGCAAATTCGGGAGGA
 GGTGACGAGTACAGTAAGCAGCTCTACAGGAACGAATTCAGAGCGTGGACAGACATCAAGCCTGTGAAA
 CCAATCAAAGCCAAGCCAGTACAAGCCCCAGATGACAAGATGGTTCACGAAACCAGCTACAGTGCCC
 AGTTCAAAGGGGAGGCCAGTAAGCCACCACAGCGGACAACAAGGTCTGGATCGCAGAAGAATACGAAG
 CCTCTACAGTGAACCTTCAAGGAATCCCCGAAGGTGGAGAACTAGTGTTCAGAGTTCAAAACAAAA
 AAGACCTCAACGAGCCAGAAGCCCTGAGGAAGGCCAAAGACAAGCAGGTGGCGTGGGCCAGGCCGCA
 AGAAAAAGACCACAGAGAGCCCCAGTGCCACCAAACCTGACGACAAGGAGCAAAGCAAAGAGATGAACAA
 TAAACTGGCTGAGGCGAAAGAGAGCCGGGTCAAACCCACCAGTGATAAGAATCAAGGTCTGTAGCCAAA
 GAGCCACACAAGGATCAAGGTCTGTGGCCCCAGGTCTTCCGAAAGGCCAAGGTCTGCGGTCCAAGAGC
 CTTTGAAGGATCAAGGCCCATGGTGCAGGACTGCCAAAGGACCAAGCCCTGTAGTCCCAGGGTCCCT
 AAAGGGTCAAAGCCCTACAGCCCCAGGCCCGCCAAAGGATCAAGGTGCTGTGCTCTTAGGGCCATGAAG
 GATCTAGGTCCAGTGGCCCCAGCATCCGTCAAGGATCAAGACCATATGGCGTCTGAGCTTCTAAAGAATA
 AAGATTCTGTCCCCTTAGCACAGCCAAAGCCAAAGCCCTCTGTTGCCAGAGCCTCTGAAGAATCAGAG
 TCCTGTGGTCCAGCAAGAGCTAAGGATCAAAGCTTCCCAGCAGCAGCAACACCTCTGAAGGACCCA
 GGTCTGTGATCCCTGAGCCTGAGAAAGATGGAGCTCCCATGGTCCCAGAGCGTAGGAAGGACAGAAATG
 CCTCCATCATGGCATCTCTGAAGAACGAAGCTCCTGTGGCCTCTGAGTCTGTGAAGAATCAAGGCTTAGG
 AGGCCAGAGCCAGCCAAAGACACAGGTACGGATCTGAAAGGACATGGTCTGTGTTGTAGCACCTGTG
 AAGAGCCAAGGTCCAGTGGTCTGAGCCAACCTAAGGGCCAAGACCCCATATCCAGCACTAGCCAAGG
 ACCAAGGTCCCATACTCCAGAGCCTCAAAGAATCAAGGACCCCTGTGGTCTTGGGCTATAAAGAA
 TCAAGACCCTGTAATCCAGTACCTCTGAAGGTCCAGGATCCCGTGGTCCAGCCCCAACCAAGGACCCA
 GGTCTACAGCCCTGACCTCTGAAGTCTCAAGGTCCCAGAGGCCCTCAACTGCCACGGTCTCACCTT
 CACCCCAAGTCATGATCCCAACAGTCCCCATGCGGAATATATTGAGGGATCCCCT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR206924 representing NM_017204
 Red=Cloning site Green=Tags(s)

MAWPCITRACCIARFWNLQDKADIAVPLVFTKYSEATEHPGAPPQPPAPPQPGLAPPSRAVAIETQPAQG
 ESDAVARATGPAPGPSGDRETAAPGRSGLGLGAASGSTSGSGPADSVMRQDYRAWKVVQRPEPSCRPRSE
 YQPSDAPFERETQYQKDFRAWPLPRRGDHPWPKPVQIPATSQPSPPVLGMPKRRPQSQERGPIQLSADA
 RDPEGAGGAGVPAAGKASGADQRDTRRKAGPAWMVTRTEGHEEKPLPPAQSQTQEGGPAAGKASGADQRD
 TRRKAGPAWMVTRTEGHEEKPLPPAQSQTQEGGPAAGKASGADQRDTRRKAGPAWMVTRTEGHEETPLPP
 AQSQTQEGGPAAGKASGADQRDTRRKAGPAWMVTRTEGHEETPLPPAQSQTQEGGPAAGKASGADERDTR
 RKAGPAWMVRRSEGHEQTAAHAQGTGPEGGKGRAVADALNRQIREEVSTVSSSYRNEFRAWTDIKPVK
 PIKAKPQYKPPDDKMVHETSYSAQFKGEASKPTTADNKVVDRIIRSLYSEPFKESPKVEKPSVQSSKPK
 KTSTSQKPLRKAKDKQVASGQAAKKTTESPSATKPDDEQSKEMNKLAEAKESRVKPTSDKNQGPVAK
 EPHKDQGPVAPGLPKGQGPVQEPKDKQGMVPLPKDQAPVVPVGLKQGSPTAPGPPKQDQAVLLGPMK
 DLGPVAPASVKDQDHMASELLKNKDSVPLAPAKAQSPLLEPELKNQSPVVPARAKDQSFAPAPTLPKDP
 GPVVIPEPEKDGAPMVPERRKDQNASIMASLKNEAPVASESVKNQGLGGPEPAKDTGTDLKGHSVFPVAPV
 KSQGPVPEPTKGQDPIIPALAKDQGPILPEPPKNQGGPPVVLGPVKNQDPVIVPVLKQDPPVAPPTKDP
 GPTAPDPLKSQGRPQLPTVSPSPVMIPTVPHAEYIEGSP

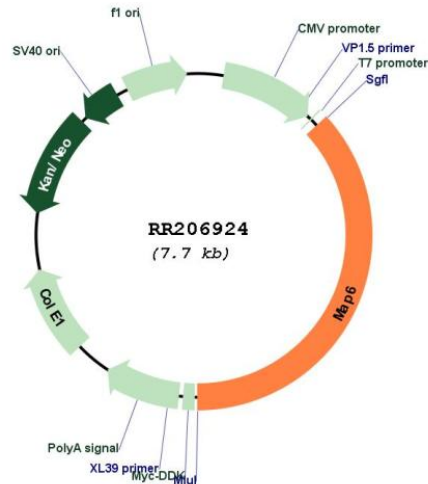
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_017204

ORF Size: 2856 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_017204.1](#), [NP_058900.1](#)

RefSeq Size: 3581 bp

RefSeq ORF: 2859 bp

Locus ID: 29457

UniProt ID: [Q63560](#)

Cytogenetics: 1q32

MW: 100.5 kDa

Gene Summary: neuronal calmodulin- and microtubule-binding protein; mediates microtubule stabilization in neurons and neurite formation [RGD, Feb 2006]