

Product datasheet for **RR206233**

Map4 (NM_001024278) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Map4 (NM_001024278) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Map4
 Synonyms: Mtap4
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR206233 representing NM_001024278
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGACCTCAGCCTTGTGGATGCATTGACAGAGCCACCTCCAGAAATTGAAGGAGAGATAAAGCGAG
 ACTTTATGGCTGCGCTGGAGGCAGAGCCCTATGATGACATTGTGGGAGAACTGTGGAGAAGACTGAGTT
 TATTCCTCCTGGATGGTATGAGAACTCTGGAACTCAGAGTCCAAAAGGAAACCATGTGTAGACACT
 AGCCAGGTTGAAGATATCCCATCTTCTAAACCAACACTTCTAGCCAATGGTGATCATGGAGTGGAGGGGA
 ATAACTACAGGGTCTCCAAGTCTCCTCGTAGAGAAGTGGACTATGAGGACTATCAGAACAGCCA
 GAGCTGGCCGGAAGATGCAAGCTTTTGTTCAGCCTCAGCAAGTCTGGACTAACCAGGCTGATCCC
 TTTAACGTGCACCATGATGATGGTCTTGCAGATCTGCTCTTTGTCTCCAGTGGACCCACAAATGCTTCTG
 CATTTATAGAGGAAAACAATCCTTTGGAAGACAGTTATGGTGTGCTTCCCTGTGACTCGTTTGTCTCCAC
 GGCTGTTGATCTCAGGAGTGGTCTGTGGGAGCCCCAGACTCTCCACACTCAGAGCCCTGCGTTTCCCCA
 GAGGTTACTATAGAACTGCACAGCCAGCAACAGAGCTATCCAAGGCAGTCGACTTGGAGTCAGTAAAAG
 AGCAGTCCAGCTAAAGCATTGAAATGATGGCAGGACAAACCACTGATGCGGTGCCATCTAAAGAATC
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 GAGAGCAGCAGTCCAGATGTGATATCGGCAATGTACACAGCCATTCAGTGAATCAGATATGTTCTGA
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 GGCAAAGGATGAGGAGCCTTCTACAGGAATACCTGCGGCTCAGGAGATGCTCTTGTCTCAGAAACAGAG
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CCTCAATCAAGGACGTATCTCCGTCTCCAGAAACAGAGACGGCTAAGAATGCTGATCTGCACTCAGGAAC
 AGAGTTGACTCTAGACAACAGCATGACTCCCCCTCGGATCCTGCACTGCCCTGGAAACAAAAGTAGCC
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 CACCCTCAACCTGCAAAGACTTCAACATCGAAAGCCAAAATACAGCCCACTTCTCTCCCTAAGCAACCA
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 TAGCTCCTCTGCTCCAGGGTGAGCCGTTTGGCCACAACCTGTTTCTGCCCTGATCTGAAGAGTGTCCGC
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 AAGTGGACATATCCAAGGCTCCTCCAAGTGTGGTCCAAAGCTAATATCAAACACAAGCCTGGTGGAGG
 AGATGTCAAGATCGAAAGTCAGAAGTTGAATTTCAAGGAGAAGGCTCAAGCCAAAGTGGGGTCCCTTGT
 AACGTTGGCCACTTGCTGCAGGAGGAACCGTGAAGACTGAGGGCGGTGGCAGTGAAGCCCTCCGTGTC
 CAGGCCCCCGCTGGGAGGAGCCAGCCATCCCTGAGGCTGCGCTGACGCTGGCGCCCTACTTCAGC
 CAGTGGCTCAGTGGCCACACCCTGTGAGGGGTGGTGACCAAAGGGAGCCCAAGACTTGGACAGC
 CAGATCCAGGAGACAAGCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR206233 representing NM_001024278
 Red=Cloning site Green=Tags(s)

MADLSLVDALTEPPPEIEGEIKRDFMAALEAEPYDDIVGETVEKTEFIPLLDGDEKSGNSESKRKPVD
 SQVEDIPSSKPTLLANGDHGVEGNNTTGSPTDFLVENVDYEDYQNSQSWPEDASFQFPQQVLDTNQADP
 FNVHDDGLADLLFVSSGPTNASAFIEENPLEDSYGLVPCDSFAPTAVVSQEWVSGAPDPSHSEPCVSP
 EVTIETAQPATELSKAVDLESVKEQLPAKALEMMAGQTTDAVPSKESEGSPTDAAPGPDVDVTLTKDIE
 ESSSPDIVSANVTQPFTESDMFLTQEMELLIGTEAAQVKDTMSSVEPDISSAKNTAPPTEETVPGKDMT
 FPKEAETALPIEMDLAPPEDVALPKETELELAPAAGTAPLSETEVALAKDEEPSTGIPAAQEMLLSSETE
 VVLPSSDSIMTLTKEVTVPLEAAGPLVSDMTAILETEMTLGGGTATPTETKLGKVKDMAPLPESEVALGKD
 VVTLPETKVTEFNNVTPLSEEEVASIKDVSPSETETAKNADLHSGTELTLDNSMTPPSDPALPLETKVA
 TVQIKDKETVQTQEELSEDSQLESVQLEGQSAVPPCTISPEPVKAADQKSTLPVDEGSPLEKLEQKETS
 SQPPELCSGVSQEEGKAAVGLTGNDIATPPNKELPPSPEKKAKPLATTQPAKTSTSKAKIQPTSLPKQP
 APTTSSGLNKKPMSLASGSVPAAPHKRPAAATATARPSTLPARDLKPKPIETKVAEKRTSPSKPSSAPA
 LRPGPKTTPTISKATSPSTLVSTGSSSRSPSTTLPKRPTTTKTEGKPADVKRMTAKSATADLSRSKTTSA
 SSVKRNTTPTGATPPAGMASTRVKPMSAPCRSSVALSVDKKTSTKPSAPRVSRSLATTVSAPDLKSVR
 SKVGSTENMKHQPGGGRVQIQNKKVDISKVSSKCGSKANIKHKPGGGDVKIESQKLNFKKAQAKVGLD
 NVGHLPAAGTVKTEGGSEAPPCGPPAGEEPAIPEAAPDAGAPTSASGLSGHTLSSGGDQREPQTLDS
 QIQETSI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

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_001024278.1, NP_001019449.1</u>
RefSeq Size:	5535 bp
RefSeq ORF:	3174 bp
Locus ID:	367171
UniProt ID:	<u>Q5M7W5</u>
Cytogenetics:	8q32
MW:	110.3 kDa
Gene Summary:	Non-neuronal microtubule-associated protein. Promotes microtubule assembly (By similarity).[UniProtKB/Swiss-Prot Function]