

Product datasheet for RN206233

Map4 (NM_001024278) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Map4 (NM_001024278) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Map4
Synonyms:	Mtap4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN206233 representing NM_001024278 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGACCTCAGCCTTGTGGATGCATTGACAGAGCCACCTCCAGAAATTGAAGGAGAGATAAAGCGAG
ACTTTATGGCTGCGCTGGAGGCAGAGCCCTATGATGACATTGTGGGAGAACTGTGGAGAAGACTGAGTT
TATTCCTCCTGGATGGTATGAGAACTCTGGAACTCAGAGTCCAAAAGGAAACCATGTGTAGACT
AGCCAGGTTGAAGATATCCATCTTCTAAACCAACTTCTAGCCAATGGTGATCATGGAGTGGAGGGGA
ATAACTACAGGCTCTCAACTGACTTCTCGTAGAGAACGTTGACTATGAGGACTATCAGAACAGCCA
GAGCTGGCCGGAAGATGCAAGCTTTGTTTCCAGCCTCAGCAAGTGTGGACTAACCAGGCTGATCCC
TTTAACGTGCACCATGATGATGGTCTTGCAGATCTGCTCTTTGTCTCCAGTGGACCCACAATGCTTCTG
CATTTATAGAGGAAAACAATCCTTTGGAAGACAGTTATGGTGTGCTTCCCTGTGACTCGTTTGTCCCAC
GGCTGTTGTATCTCAGGAGTGGTCTGTGGGAGCCCCAGACTCTCCACACTCAGAGCCCTGCGTTTCCCCA
GAGGTTACTATAGAACTGCACAGCCAGCAACAGAGCTATCCAAGGCAGTCGACTTGGAGTCAGTAAAG
AGCAGTGCCAGCTAAAGCATTGGAAATGATGGCAGGACAACCCTGATGCGGTGCCATCTAAAGAATC
AGAGGGCTCTCCAGACACAGATGCAGCACCAGGTCCAGACACAGACGTGACTGACTAAGACATAGAA
GAGAGCAGCAGTCCAGATGTGATATCGGCAAATGTCACACAGCCATTCAGTGAATCAGATATGTTCCCTGA
CCAGGAAATGGAATACTCATAGGAACAGAGGCAGCCAGGTTAAAGACACCATGTCGTCTGTAGAACC
AGATATATCTTACGCCAAGAACACAGCACCCTACAGAAGAAGAAACGGTCCCAGGCAAGGATATGACA
TTCCCCAAGAAGCAGAGACAGCACTTCCAATAGAAATGGATTTGGCACCACCTGAGGATGTGGCACTTC
CCAAAGAAACAGAGCTAGAACTAGCCCCAGCCGCGGCACGGCTCCACTCTCAGAAACAGAAGTGGCCCT
GGCAAAGGATGAGGAGCCTTCTACAGGAATACCTGCGGCTCAGGAGATGCTCTTGTCTCAGAAACAGAG
GTGGTACTGCCCTCAGATTCCATAATGACTGACAAAGGAAGTACAGTACCCTTAGAAGCAGCTGGAC
CCCTGGTGTGGACATGACTGCAATTCTGAAACAGAAATGACCCTAGGGGGGGGACAGCTACACCCAC
AGAAACAAAATTGGCAAGGTCAAAGACATGGCTCCACTCCAGAAATCAGAAGTGGCTCTGGCAAGGAC



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GTGGTCACACTTCCAGAAACAAAGGTTACTGAATTTAACAATGTGACTCCACTTTT CAGAAGAAGAGGTAG
 CCTCAATCAAGGACGTATCTCCGTCTCCAGAAACAGAGACGGCTAAGAATGCTGATCTGCACTCAGGAAC
 AGAGTTGACTCTAGACAACAGCATGACTCCCCCTCGGATCTGCACTGCCCTGGAAACAAAAGTAGCC
 ACAGTTCAAATTAAGACAAAGAACTGTGCAGACCCAAGAAGAGCTAAGTGAAGACTCCAGTTAGAGT
 CTGTGCAGCTCGAGGGACAGTCAGCAGTACCTCCTTGCACGATTTCCCAGAACCAAGTGAAGCTGCAGA
 CAAAAGTCTACTTTGCCAGTAGATGAAGTTCTCCATTAGAGAAATTAGAGCAGAAGGAAACATCTGGC
 AGTCAGCCTCCTGAGCTTTGCTCAGGAGTATCCCGGCAAGAAGAAGGAAAGGCTGCTGTTGGTCTGACTG
 GAAATGACATCGCCACTCCACCAACAAGGAGCTACCACCAAGCCAGAAAAGAAAGCAAAGCCTTTGGC
 CACCCTCAACCTGCAAAGACTTCAACATCGAAAAGCCAAAATACAGCCCACTTCTCTCCCTAAGCAACCA
 GCTCCCACCACCTCTGGTGGGTTGAATAAAAAACCCATGAGCCTCGCTTTCAGGCTCAGTTCAGCTGCC
 CACAAAAACGCCCTGCTGCTGCCACTGCTACTGCCAGGCCTTCCACCCTACCTGCAAGAGACCTGAAGCC
 AAAGCCAATTACAGAACTAAGTTGCTGAAAAGCGGACCTCGCCATCCAAGCCTTCTGCTGCCCGCC
 CTCAGACCTGGACCTAAAACCACCCCAACCATTCTAAGCCACATCTCCCTCAACTCTTGTTCCTACTG
 GATCAAGTAGTAGAAGTCCATCTACGACTCTGCCTAAGAGGCCTACCACCACCAAGACTGAGGGAAAACC
 TGCTGATGTCAAAGGATGACTGCTAAGTCTGCCACAGCTGACTTGAGTCGCTCAAAGACCACCTCTGCC
 AGTTCTGTGAAGAGAAACCACTCCCCTGAGGCAACCCCAAGCAGGGATGGCTTCCACTCGAGTCA
 AGCCCATGCTGCACCTTGCCGGTCTTCTGTGGCTCTTCCGTGGACAAGAAGCCCACTCCACTAAGCC
 TAGCTCCTCTGCTCCCAGGGTGAGCCGTTTGGCCACAAGTCTTCTGCCCTGATCTGAAGAGTGTCCGC
 TCCAAGGTCGGCTCCACAGAGAATGAAGCACCAGCCAGGAGGAGCCGGGTTTCAGATTCAGAACAAGA
 AAGTGGACATATCCAAGTCTCCTCCAAGTGTGGGTCCAAAGCTAATATCAAACACAAGCCTGGTGGAGG
 AGATGTCAAGATCGAAAGTCAGAAGTTGAATTTCAAGGAGAAGGCTCAAGCCAAAGTGGGGTCCCTTGT
 AACGTTGGCCACTTGCTGCAGGAGGAACCGTGAAGACTGAGGGCGGTGGCAGTGAAGCCCTCCGTGTC
 CAGGCCCCCGCTGGGAGGAGCCACCATCCCTGAGGCTGCGCTGACGCTGGCGCCCTACTTCAGC
 CAGTGGCCTCAGTGGCCACACCCTGTGAGGGGTGGTGACCAAGGGAGCCCAAGACCTTGGACAGC
 CAGATCCAGGAGACAAGCATCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:

SgfI-MluI

ACCN:

NM_001024278

Insert Size:

3174 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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_001024278.1](#), [NP_001019449.1](#)

RefSeq Size:	5535 bp
RefSeq ORF:	3174 bp
Locus ID:	367171
UniProt ID:	Q5M7W5
Cytogenetics:	8q32
Gene Summary:	Non-neuronal microtubule-associated protein. Promotes microtubule assembly (By similarity).[UniProtKB/Swiss-Prot Function]