

Product datasheet for **MC229392**

Map4 (NM_001205330) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Map4 (NM_001205330) Mouse Untagged Clone
Tag: Tag Free
Symbol: Map4
Synonyms: AA407148; MAP-4; Mtap-4; Mtap4
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC229392 representing NM_001205330
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGACCTCAGTCTTGTGGATGCGTTGACAGAACCACCTCCAGAAATTGAGGGAGAAATAAAGCGAG
ACTTCATGGCTGCGCTGGAGGCAGAGCCCTATGATGACATCGTGGGAGAACTGTGGAGAAAAGTGGT
TATTCCTCCTCGGATGGTGTGATGAGAAAACCGGAACTCAGAGTCCAAAAAGAAACCTGCTTAGACT
AGCCAGGTTGAAGGTATCCCATCTTCTAAACCAACTCCTAGCCAATGGTGATCATGGAATGGAGGGGA
ATAACTGCAGGGTCTCCAAGTACTTCTTGAAGAGAGAGTGGACTATCCGGATTATCAGAGCAGCCA
GAACTGGCCAGAAGATGCAAGCTTTTGTTCAGCCTCAGCAAGTGTAGATACTGACCAGGCTGAGCCC
TTTAACGAGCACCAGTGTATGATGGTTGGCAGATCTGCTCTTTGTCTCCAGTGGACCCACGAACGCTTCTG
CATTTACAGAGCGAGACAATCCTTCAGAAGACAGTTACGGTATGCTTCCCTGTGACTCATTGCTCCAC
GGCTGTTGTATCTCAGGAGTGGTCTGTGGGAGCCCAACTCTCCATGTTTCAGAGTCTGTGTCTCCCA
GAGGTTACTATAGAAACCCTACAGCCAGCAACAGAGCTCTCCAAGGCAGCAGAAGTGAATCAGTGAAG
AGCAGTCCAGCTAAAGCATTGGAACGATGGCAGAGCAGCACTGATGTGGTGCACCTCCATCCAC
AGACACAACACCAGGCCAGACACAGAGGAGCAGTGGCTAAAGACATAGAAGAGATCAGCAAGCAGAT
GTGATATTGGCAATGTACGCAGCCATCTACTGAATCGGATATGTTCTGGCCAGGACATGGAATAC
TCACAGGAACAGAGGCAGCCACGCTAACAAATATCATATTGCCTACAGAACCAGCAATCTTCAACCA
GGATGTAGCACCACCTATGGAAGAAGAAATGTCCAGGCAATGATACGACATCCCCAAAGAAACAGAG
ACAACACTTCCAATAAAAATGGACTTGGCACCACCTGAGGATGTGTTACTTACCAAAGAAACAGAAGTAG
CCCCAGCAAGGGCATGGTTTCACTCTCAGAAATAGAAGAGGCTCTGGCAAGAATGATGAGTCTCTGC
AGAAATACCTGTGGCTCAGGAGACAGTGGTCTCAGAAACAGAGGTTGCTGGCAACAGAAGTGGTACTG
CCCTCAGATCCCATAACAACATTGACAAAGGATGTGACTCCCTTAGAAGCAGAGAGACCGTTGGTGA
CGGACATGACTCCATCTCTGAAACAGAAATGACCCTAGGCAAGAGACAGCTCCACCCACAGAAACAAA
TTTGGGATGGCCAAAGACATGTCTCACTCCAGAAATCAGAAGTACTCTGGGCAAGGACGTGGTTATA
CTTCCAGAAACAAAGGTGGCTGAGTTTAACAATGTGACTCCACTTTCAGAAGAAGAGGTAACCTCAGTCA



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AGGACATGTCTCCGCTCTGCAGAAACAGAGGCTCCCTGGCTAAGAATGCTGATCTGCACTCAGGAACAGA
GCTGATTGTGGACAACAGCATGGCTCCAGCCTCCGATCTTGCACTGCCCTTGAAACAAAAGTAGCAACA
GTTCCAATTAAGACAAAGGAAGTACAGACTGAAGAAAAACCGTGAAGACTCCCAGTTAGCATCTA
TGCAGCACAAGGGACAGTCAACAGTACCTCCTTGACGGCTTACCAGAACAGTCAAAGCTGCAGAAC
AATGTCTACCTTACCAATAGATGCACCTTCTCCATTAGAGAACTTAGAGCAGAAGGAAACGCCTGGCAGC
CAGCCTTCTGAGCCTTGCTCAGGAGTATCCCGGCAAGAAGAAGCAAAGGCTGCTGAGGTGTGACTGGAA
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CACTCAACCTGCAAAGACTTCAACATCGAAAGCCAAAACACAGCCCACTTCTCTCCCTAAGCAACCAGCT
CCCACCACCTCTGGTGGGTTGAATAAAAAACCCATGAGCCTCGCCTCAGGCTCAGTGCCAGCTGCCCCAC
ACAAACGCCTGCTGCTGCCACTGCTACTGCCAGGCTTCCACCCTACCTGCCAGAGACGTGAAGCCAAA
GCCAATTACAGAAGCTAAGGTTGCCGAAAAGCGGACCTTCCATCCAAGCCTTCTGCCCCAGCCCTC
AAACCTGGACCTAAAACCACCCCAACCGTTTCAAAGCCACATCTCCCTCAACTCTGTTTCCACTGGAC
CAAGTAGTAGAAGTCCAGCTACAACCTGCCTAAGAGGCCAACAGCATCAAGACTGAGGGGAAACCTGC
TGATGTCAAAGGATGACTGCTAAGTCTGCCTCAGCTGACTTGAGTCGCTCAAAGACCACCTCTGCCAGT
TCTGTGAAGAGAAACACCCTCCACTGGGGCAGCACCCAGCAGGGATGACTTCCACTCGAGTCAAGC
CCATGTCTGCACCTAGCCGCTTCTTCTGGGGCTTCTTCTGTGGACAAGAAGCCCACTTCCACTAAGCCTAG
CTCCTCTGCTCCCAGGTGAGCCGCTGGCCACAACCTGTTTCTGCCCCTGACCTGAAGAGTGTTCGCTCC
AAGGTCGGCTCTACAGAAAACATCAAACACCAGCTGGAGGAGCCGGGCCAAAAGTAGAGAAAAAACAG
AGGCAGCTACCACAGCTGGGAAGCCTGAACCTAATGCAGTCACTAAAGCAGCCGGCTCCATTGCGAGTGC
ACAGAAACCGCTGCTGGGAAAGTCCAGATAGTATCCAAAAAGTGAGCTACAGCCATATTCAATCCAAG
TGTGGTCCAAGGACAATATTAAGCATGTCCCTGGAGGTGGCAATGTTTCCAGATTCAGAACAAGAAAGTGG
ACATATCCAAGGTCTCTCCAAGTGTGGTCCAAAGCTAATATCAAGCACAAAGCCTGGTGGAGGAGATGT
CAAGATTGAAAGTCAGAAGTTGAACTTCAAGGAGAAGGCCAAAGTGGGATCCCTTGATAACGTG
GGCCACTTGCCTGCAGGAGGTGCCGTGAAGACTGAGGGCGGTGGCAGTGAGGCCCTTCCGTGTCCAGGCC
CCCCCGTGGGGAGGAGCCAGTCATCCCTGAGGCTGCGCCTGACGCTGGCGCCCTACTTCAAGCCAGTGG
CCTCAGTGGCCACACCACCTGTGAGGGGTGGTGACCAAAGGGAGCCCAAGCCTTGGACAGCCAGATC
CAGGAGACAAGCATCTAA
    
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA
    
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- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001205330
- Insert Size:** 3378 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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_001205330.1](#), [NP_001192259.1](#)

RefSeq Size: 5776 bp

RefSeq ORF: 3378 bp

Locus ID: 17758

UniProt ID: [P27546](#)

Cytogenetics: 9 59.83 cM

Gene Summary: Non-neuronal microtubule-associated protein. Promotes microtubule assembly.

[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (1) represents the longest transcript and encodes isoform (1).

Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.