

Product datasheet for **MC225622**

Map4 (NM_001205331) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Map4 (NM_001205331) 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: >MC225622 representing NM_001205331
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCGACCTCAGTCTTGTGGATGCGTTGACAGAACCACCTCCAGAAATTGAGGGAGAAATAAAGCGAG
ACTTCATGGCTGCGCTGGAGGCAGAGCCCTATGATGACATCGTGGGAGAACTGTGGAGAAAAGTGGAGT
TATTCCTCCTGGATGGTATGAGAAAACCGGAACTCAGAGTCCAAAAAGAAACCTGCTTAGACACT
AGCCAGGTTGAAGGTATCCCATCTCTAAACCAACTCTAGCCAATGGTATCATGGAATGGAGGGGA
ATAAACTGCAGAGGACTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-MluI

ACCN: NM_001205331

Insert Size: 300 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.



[View online »](#)

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_001205331.1, NP_001192260.1</u>
RefSeq Size:	3517 bp
RefSeq ORF:	300 bp
Locus ID:	17758
Cytogenetics:	9 59.83 cM
Gene Summary:	<p>Non-neuronal microtubule-associated protein. Promotes microtubule assembly. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) has multiple differences, compared to variant 1, one of which results in a translational frameshift. The resulting protein (isoform 3) has a distinct C-terminus and is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>