

Product datasheet for MC202597

Map4 (NM_008633) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Map4 (NM_008633) Mouse Untagged Clone
Tag: Tag Free
Symbol: Map4
Synonyms: AA407148; MAP-4; Mtap-4; Mtap4
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC055332 sequence for NM_008633
 CTCTCCCGGCTTCTGCGGCTCCGGCTTGGGCTCGGCGGCGGCGGGCAGTCGCGAGTGGTACAGAATG
 GCCGACCTCAGTCTTGTGGATGCGTTGACAGAACCACCTCCAGAAATTGAGGGAGAAATAAAGCGAGACT
 TCATGGCTGCGCTGGAGGCAGAGCCCTATGATGACATCGTGGGAGAACTGTGGAGAAAACCTGAGTTTAT
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AGCACAAGGGACAGTCAACAGTACCTCCTTGCACGGCTTACCAGAACAGTCAAAGCTGCAGAACAAAT
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Restriction Sites: Ascl-NotI

ACCN: NM_008633

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).

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: [BC055332](#), [AAH55332](#)

RefSeq Size: 5668 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 (2) differs in the 3' UTR and has multiple coding region differences, compared to variant 1, one of which results in a frameshift. The resulting protein (isoform 2) has a distinct C-terminus and is the same length as 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.