

Product datasheet for **RN209172**

Map1lc3b (NM_022867) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Map1lc3b (NM_022867) Rat Untagged Clone
Tag: Tag Free
Symbol: Map1lc3b
Synonyms: LC3B; Map1lc3; Mpl3; zbs559
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN209172 representing NM_022867
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGCCGTCGGAGAAGACCTTCAAACAGCGCCGGAGCTTCGAACAAAGAGTGGAAGATGTCCGGCTCATCC
GGGAGCAGCACCCACCAAGATCCAGTGATTATAGAGCGATACAAGGGTGAGAAGCAGCTGCCCGTCCT
GGACAAGACCAAGTTCCTGTACCTGATCACGTGAATATGAGCGAACTCATCAAGATAATTAGAAGCGC
CTGCAGCTCAATGCTAACCAAGCCTTCTCCTCCTGGTGAATGGGCACAGCATGGTGAGTGTGCCACAC
CCATCTCTGAAGTGTACGAGAGCGAGAGAGATGAAGACGGCTTCTGTACATGGTCTATGCCTCCAGGA
GACGTTCCGGACAGCACTGGCTGT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_022867
Insert Size: 378 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_022867.2](#), [NP_074058.2](#)

RefSeq Size: 1768 bp

RefSeq ORF: 378 bp

Locus ID: 64862

UniProt ID: [Q62625](#)

Cytogenetics: 19q12

Gene Summary: may mediate MAPIA and MAPIB microtubule binding activity during development of the nervous system [RGD, Feb 2006]