

Product datasheet for **RN205778**

Mbl1 (NM_012599) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mbl1 (NM_012599) Rat Untagged Clone
Tag: Tag Free
Symbol: Mbl1
Synonyms: Mbpa; Mlb1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN205778 representing NM_012599
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCTCCTGCTTCCACTGCTCGTCCTTCTCTGTGTAGTGAGCGTGTCTCATCAGGGTCACAAACCTGTG
AGGAAACCCTGAAGACTTGCTCTGTGATAGCCTGCGGCAGAGACGGGAGAGATGGGCCCAAAGGGGAGAA
GGGAGAACCAGGTCAAGGGCTCAGGGGCTTGCAGGGCCCTCCAGGAAACTGGGGCTCCAGGAAGTGTA
GGAGCCCTGGAAGTCAAGGACCAAAAGGCCAAAAAGGGGATCGTGGAGACAGCAGAGCCATTGAGGTGA
AGCTGGCAAATATGGAGGCAGAGATAAACACCCCTGAAGTCAAAACTGGAGCTAACCAACAAGTTGCATGC
CTTCTCCATGGGTAAAAAGTCTGGGAAGAAGTTCTTTGTGACCAACCATGAAAGGATGCCCTTTTCCAAA
GTCAAGGCCCTGTGCTCAGAGCTCCGAGGCACTGTGGCTATCCCCAGGAATGCTGAGGAGAACAAGGCCA
TCCAAGAAGTGGCTAAACCTCTGCCTTCTAGGCATCACGGACGAGGTGACTGAAGGCCAATTCATGTA
TGTGACAGGGGGGAGGCTCACCTACAGCAACTGGAAAAAGGATGAGCCCAATGACCATGGCTCTGGGGAA
GACTGTGCTACTATAGTAGACAACGGTCTGTGGAATGACATCTCCTGCCAAGCTTCCACACGGCTGTCT
CGGAGTCCAGCCT**GTA**

ACGCGTACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_012599
Insert Size: 717 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.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

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_012599.2](#), [NP_036731.2](#)

RefSeq Size: 1226 bp

RefSeq ORF: 717 bp

Locus ID: 24548

UniProt ID: [P19999](#)

Cytogenetics: 16p14

Gene Summary: N-terminal region has similarity to nonfibrillar collagens; C-terminal region, which includes the carbohydrate-binding domain, has similarity to the asialoglycoprotein receptor [RGD, Feb 2006]