

Product datasheet for **MG203052**

Mbl2 (NM_010776) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mbl2 (NM_010776) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mbl2
Synonyms:	L-MBP; MBL; MBL-C; MBP-C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG203052 representing NM_010776 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCATTTTCACATCCTTCTCTGCTGTGTGTGGTGACAGTGGTTTATGCAGAGACCTTAACCGAAG
GTGTTCAAATTCCTGCCCTGTGGTTACCTGCAGTTCTCCAGGCCTGAATGGCTTCCAGGCAAAGATGG
ACGTGACGGTGCCAAGGGAGAAAAGGGAGAACCAGGTCAAGGGCTCAGAGCTTGAAGGCCCTCTGGA
AAAGTAGGACCTACAGGACCCCCAGGGAATCCGGGGTTAAAAGGAGCAGTGGGACCGAAAGGAGACCGTG
GGGACAGAGCAGAATTTGATACTAGCGAAATTGATTCAGAAATTGCAGCCCTACGATCAGAGCTGAGAGC
CCTGAGAAAAGTGGGTGCTTCTCTCTGAGTGAAAAAGTTGAAAAGAAGTATTTTGTGAGCAGTGTTAAA
AAGATGAGCCTTGACAGAGTGAAGGCCCTGTGCTCCGAATTCAGGGCTCTGTGGCCACTCCCAGGAATG
CTGAGGAAAAGTCCGCCATCCAGAAAGTGGCCAAAGATATTGCCTACTTGGGCATCACAGATGTGAGGGT
TGAAGGCAGTTTTGAGGATCTGACAGGAAACAGAGTGCCTATACTAATTGGAATGATGGGGAGCCCAAC
AACACGGGCGATGGGGAAGACTGTGTGGTATCTTGGGAAATGGCAAGTGGAAACGATGTCCCCTGCTCTG
ACTTTTTTTGGCAATCTGTGAATTCTCTGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG203052 representing NM_010776
Red=Cloning site Green=Tags(s)

MSIFTSFLLLCVVTVVYAETLTEGVQNSCPVVTCSPLNGFPGKDGRDGAKGEKGEPEGQLRGLQGPPG
 KVGPTGPPGNPLKGAVGPKGDRGDRAEFDTSEIDSEIAALRSELRALRNWVLFSLSEKVGKKYFVSSVK
 KMSLDRVKALCSEFQGSVATPRNAEENSAIQKVAKDIAYLGITDVRVEGSFEDLTGNRVRYTNWNDGEPN
 NTGDGEDCVVILGNGKWNDVPCSDSFLAICEFSD

TRTRPLE - GFP Tag - V

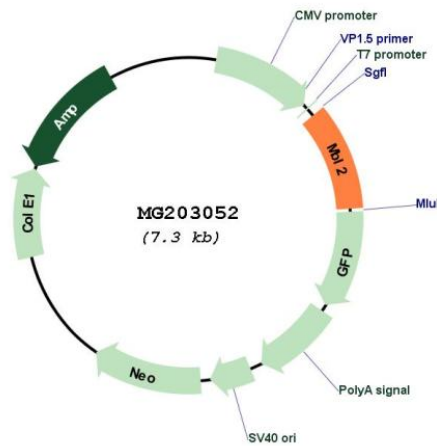
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_010776

ORF Size: 732 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_010776.2
RefSeq Size:	1069 bp
RefSeq ORF:	735 bp
Locus ID:	17195
UniProt ID:	P41317
Cytogenetics:	19 25.14 cM
Gene Summary:	Calcium-dependent lectin involved in innate immune defense. Binds mannose, fucose and N-acetylglucosamine on different microorganisms and activates the lectin complement pathway. Binds to late apoptotic cells, as well as to apoptotic blebs and to necrotic cells, but not to early apoptotic cells, facilitating their uptake by macrophages (By similarity). [UniProtKB/Swiss-Prot Function]