

## Product datasheet for **MR200910**

### **Mbl1 (BC012245) Mouse Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mbl1 (BC012245) Mouse Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Mbl1  
**Synonyms:** MBL-A; MBP-A; S-MBP  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >MR200910 representing BC012245  
**Red**=Cloning site **Blue**=ORF **Green**=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGCATCGC**

ATGGAGGCAGAGATAAGGATCCTGAAATCAAACCTGCAGCTAACCAACAAGTTGCATGCCTTCTCAATGG  
GCAAAAAGTCTGGGAAGAAGTTGTTGTGACCAACCATGAGAAGATGCCCTTTCCAAAGTGAAGTCTCT  
GTGCACAGAGCTCCAAGGCACTGTGGCTATCCCCAGGAATGCTGAAGAGAACAAGGCCATTCAAGAAGTG  
GCCACAGGCATTGCCTTCTAGGCATCACGGACGAGGCGACTGAAGGGCAGTTTCATGTACGTGACAGGGG  
GGAGGCTCACCTACAGCAACTGGAAAAAGGATGAGCCAAATAACCATGGCTCTGGGGAAGACTGTGTCTAT  
TATATTAGATAATGGTTTGTGGAATGACATTTCTGTCAAGCTTCCTTCAAGGCTGTCTGCGAGTCCCCA  
GCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >MR200910 representing BC012245  
**Red**=Cloning site **Green**=Tags(s)

MEAEIRILKSKLQLTNKLHAFSMGKKSGLKLVFTNHEKMPFSKVKSLCTELQGTVAIPRNAEENKAIQEV  
ATGIAFLGITDEATEGQFMYVTGGRLTYSNWKDEPNHSGEDCVIILDNLWNDISCQASFKAVCEFP  
A

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

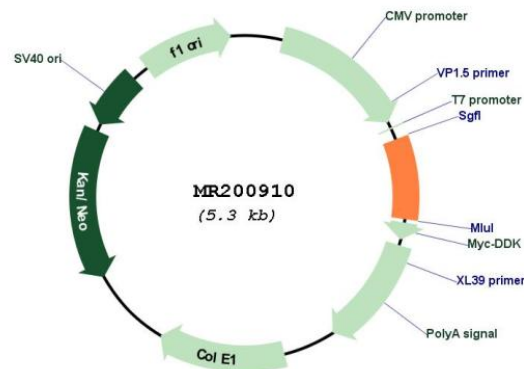
**Restriction Sites:** SgfI-MluI



## Cloning Scheme:



## Plasmid Map:



ACCN: BC012245

ORF Size: 423 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.

<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u><a href="#">BC012245.1</a></u>
<b>RefSeq Size:</b>	898 bp
<b>RefSeq ORF:</b>	425 bp
<b>Locus ID:</b>	17194
<b>Cytogenetics:</b>	14 22.36 cM
<b>MW:</b>	32.9 kDa
<b>Gene Summary:</b>	Calcium-dependent lectin. Plays a role in the innate immune response by binding mannose, fucose and N-acetylglucosamine moieties on different microorganisms and mediating activation of the lectin complement pathway (By similarity). 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]