

Product datasheet for **MG202944**

Mbl1 (NM_010775) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mbl1 (NM_010775) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Mbl1
Synonyms:	MBL-A; MBP-A; S-MBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG202944 representing NM_010775 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTTCTGCTTCCATTACTCCCTGTCCTTCTGTGTGGTGAGTGTGCCTCATCAGGGTCACAAACCT
GTGAGGACACCCTGAAGACTTGCTCTGTGATAGCCTGTGGCAGAGATGGGAGAGATGGACCCAAAGGGGA
GAAGGGAGAACCAGGTCAAGGGCTCAGGGGCTGCAGGGCCCTCAGGGAAATTGGGGCTCCAGGAAGT
GTTGGAAGCCCTGGAAGTCCAGGACAAAAGGCCAAAAGGGGGACCATGGAGACAATAGAGCCATTGAGG
AGAAGCTGGCAAATATGGAGGCAGAGATAAGGATCCTGAAATCAAACCTGCAGCTAACCAACAAGTTGCA
TGCTTCTCAATGGGCAAAAAGTCTGGGAAGAAGTTGTTTGTGACCAACCATGAGAAGATGCCCTTTTCC
AAAGTGAAGTCTCTGTGCACAGAGCTCCAAGGCACTGTGGCTATCCCCAGGAATGCTGAAGAGAACAAGG
CCATTCAAGAAGTGGCCACAGGCATTGCCTTCTAGGCATCACGGACGAGGCGACTGAAGGGCAGTTCAT
GTACGTGACAGGGGGGAGGCTCACCTACAGCAACTGGA AAAAGGATGAGCCAAAATAACCATGGCTCTGGG
GAAGACTGTGTCATTATATTAGATAATGGTTTGTGGAATGACATTTCTGTCAAGCTTCTTCAAGGCTG
TCTGCGAGTCCAGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >MG202944 representing NM_010775
 Red=Cloning site Green=Tags(s)

MLLLPLLPLVLLCVVSVSSSSGQTCDTLKTCSVIACGRDRDGPKEGEPGQGLRGLQGPPGKLGPPGS
 VGSPGSPGPKGQKGDHGDNR AIEEKL NMEAEIRILKSKLQLTNKLHAFSMGKKS GKLFVTNHEKMPFS
 KVKSLCTELQGTVAIPR NAEENKAIQE VATGIAFLGITDEATEGQFM YVTGGRLTYSNWKKDEPNNHGSG
 EDCVII LDNGLWNDIS CQASFKAVCEFPA

TRTRPLE - GFP Tag - V

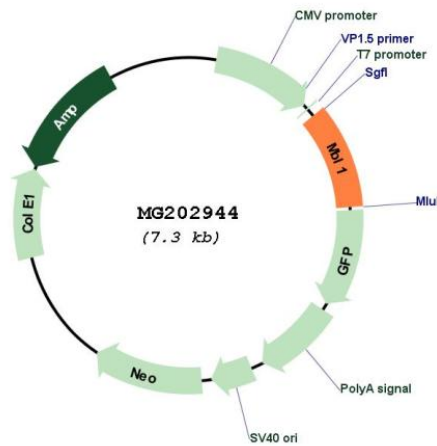
Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_010775

ORF Size: 717 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_010775.2 , NP_034905.1
RefSeq Size:	923 bp
RefSeq ORF:	720 bp
Locus ID:	17194
UniProt ID:	P39039
Cytogenetics:	14 22.36 cM
Gene Summary:	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]