

## Product datasheet for MR224579

### Mgl2 (NM\_145137) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mgl2 (NM_145137) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Mgl2
Synonyms:	CD301b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR224579 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACAATGAGATATGAAAACCTCCAGAACTTGGAGCGGGAAGAGAAAAACCAGGAGATGAGAAATGGTG  
ACAAGAAAGGAGGAATGGAGTCTCCAAAGTTTGTCTAATTCCTTCCCAGTCCTCCTGTGGCGCATCCT  
CTCTTGGACCCACCTCCTCCTGTTCTCCCTGGCCTCAGCCTCCTGCTACTGGTGGTCATCTCCGTGATT  
GGATCCCCAAATCCCAGTTAAGGAGGGACCTAGGCACCCTAAGAGCCATTTTAGACAACACCACCTCCA  
AGATAAAGGCTGAATCCAGTCCCTGGACTCCAGGGCTGACAACCTCGAAAAAGGGATCAGTTCTCTGAA  
AGTGGATGTGGAGGATCACAGGCAGGAAGTGCAGGCAGGCCGAGACTTGAGCCAGAAGGTGACTTCTCTG  
GAGAGCACAAGGAGGAGGAGCAGGCTCTCAAACAGATCTGTCTGATTTAACCGACCATGTACAAC  
AGCTGGAGACAGACTTGAAGCCTTGACGTGCCAGCTGGCCAACCTCAAGAACAATGGCTCGGAAGTGGC  
CTGCTGCCCGTTCAGTGGACGGAGCATGAAGGCAGCTGCTATTGGTTCTCTGAGTCTGAGAAGTCGTGG  
CCTGAAGCTGACAAGTACTGCCGGCTGGAGAATTCTCACCTGGTGGTGGTCAACTCCCTGGAGGAGCAGA  
ATTTTCTACAGAATCGCTTAGCCAATGTGCTTAGCTGGATGGGCCTAACGGACCAAAATGGGCCCTGGCG  
ATGGGTGGATGGGACCGACTTTGACAAAGTTTCAAGAATTGGAGGCCACTGCAGCCGGATAACTGGCAT  
GGACATATGCTAGGTGGAGGCGAGGACTGTGCCACTTTTCTTACGATGGTCGTTGGAATGACGATGTCT  
GCCAGAGGCATTACCATTGGATCTGTGAAACAGAGCTGGGCAAAGCCAGCTCAGCCCACTCCCCACAAC  
TATAGCCTCAGTTCCA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

**Protein Sequence:** >MR224579 protein sequence  
Red=Cloning site Green=Tags(s)

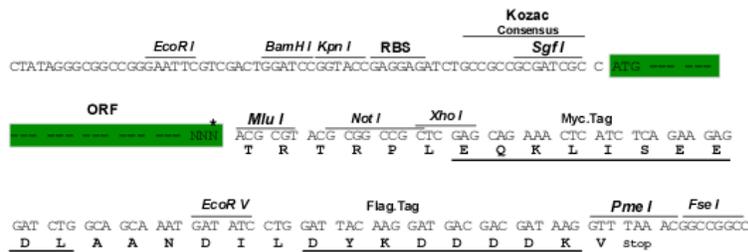
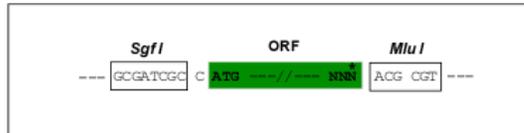
MTMRYENFQNLEREKQEMRNGDKKGGMESPKFALIPSQSFLWRILSWTHLLLFSLGLSLLLLLVVISVI  
 GSQNSQLRRDLGTLRAILDNTTSKIKAEFQSLDSRADNFEKGISSLKVDVEDHRQELQAGRDL SQKVTSL  
 ESTLEKREQALKTDLSDLTDHVQQLTDLTKALTCQLANLKNNGSEVACPLHWTEHEGSCYWFSESEKSW  
 PEADKYCRLNSHLVVVNSLEEQNFLQNRLANVLSWMGLTDQNGPWRVVDGTFDKGFKNWRPLQPDNWH  
 GHMLGGGEDCAHFSDYDGRWNDDVCQRHYHWICETELGKASSAHSPQLIASVP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_145137

**ORF Size:** 999 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:**
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\\_145137.2](#), [NP\\_660119.1](#)

**RefSeq Size:** 1550 bp

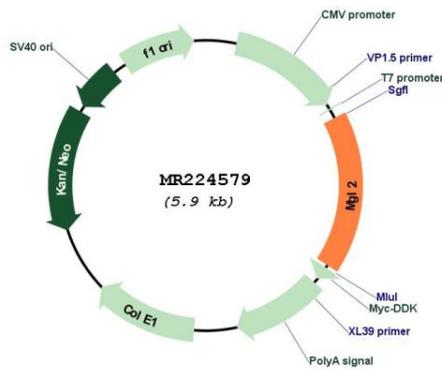
**RefSeq ORF:** 999 bp

**Locus ID:** 216864

**Cytogenetics:** 11 B3

**MW:** 38.1 kDa

**Product images:**



Circular map for MR224579