

## Product datasheet for MR215299

### Mb (NM\_013593) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Mb (NM\_013593) Mouse Tagged ORF Clone  
 Tag: Myc-DDK  
 Symbol: Mb  
 Synonyms: A1325109  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-Entry (PS100001)  
 E. coli Selection: Kanamycin (25 ug/mL)  
 ORF Nucleotide Sequence: >MR215299 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGGCTCAGTGATGGGGAGTGGCAGCTGGTCTGAATGTCTGGGGGAAGGTGGAGGCCGACCTTGCTG  
 GCCATGGACAGGAAGTCTCATCGGTCTGTTAAGACTCACCTGAGACCCTGGATAAGTTTGACAAAGT  
 CAAGAAGTGAAGTCAGAGGAAGATATGAAGGGCTCAGAGGACCTGAAGAAGCATGGTTGCACCGTGCTC  
 ACAGCCCTGGGTACCATCTGAAGAAGAAGGGACAACATGCTGCCGAGATCCAGCCTCTAGCCCAATCAC  
 ACGCCACCAAGCAAGATCCCGGTCAAGTACCTGGAGTTTATCTCAGAAATTATCATTGAAGTCTGAA  
 GAAGAGACATTCCGGGGACTTTGGAGCAGATGCTCAGGGCGCCATGAGCAAGGCCCTGGAGCTTCCGG  
 AATGACATTGCCGCAAGTACAAGGAGCTAGGCTTCCAGGGC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215299 protein sequence  
 Red=Cloning site Green=Tags(s)

MGLSDGEWQLVLNVWGKVEADLAGHGQEVLIQLFKTHPETLDKFDKFNKLNKSEEDMKGSEDLKKGCTVL  
 TALGTILKKKGQHAAEIQPLAQSHATKHKIPVKYLEFISEIIIEVLKRRHSGDFGADAQGAMSKALELFR  
 NDIAAKYKELGFQG

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



**Cloning Scheme:**


**ACCN:** NM\_013593

**ORF Size:** 465 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\\_013593.3](#), [NP\\_038621.2](#)

**RefSeq Size:** 1069 bp

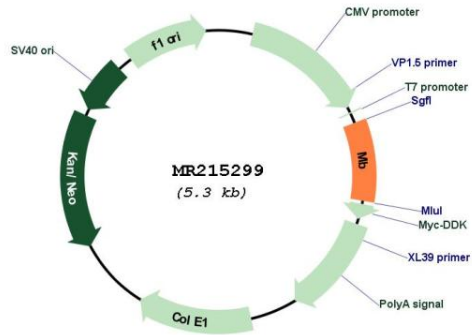
**RefSeq ORF:** 465 bp

**Locus ID:** 17189

**UniProt ID:** [P04247](#)

**Cytogenetics:** 15 36.36 cM  
**MW:** 17.1 kDa  
**Gene Summary:** Serves as a reserve supply of oxygen and facilitates the movement of oxygen within muscles.  
 [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR215299