

Product datasheet for MR215219

Mb (NM_001164048) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mb (NM_001164048) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Mb
Synonyms: AI325109
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR215219 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGGGCTCAGTGATGGGGAGTGGCAGCTGGTCTGAATGTCTGGGGGAAGGTGGAGGCCGACCTTGCTG
GCCATGGACAGGAAGTCTCATCGGTCTGTTAAGACTCACCTGAGACCCTGGATAAGTTTGACAAAGTT
CAAGAAGTGAAGTCAGAGGAAGATATGAAGGGCTCAGAGGACCTGAAGAAGCATGGTTGCACCGTGCTC
ACAGCCCTGGGTACCATCTGAAGAAGAAGGGACAACATGCTGCCGAGATCCAGCCTCTAGCCCAATCAC
ACGCCACCAAGCACAAGATCCCGGTCAAGTACCTGGAGTTTATCTCAGAAATTATCATTGAAGTCTGAA
GAAGAGACATTCCGGGGACTTTGGAGCAGATGCTCAGGGCGCCATGAGCAAGGCCCTGGAGCTTCCGG
AATGACATTGCCGCAAGTACAAGGAGCTAGGCTTCCAGGGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215219 protein sequence
Red=Cloning site Green=Tags(s)

MGLSDGEWQLVLNVWGKVEADLAGHGQEVLIIGLTKHPETLDKFDKFNKLNKSEEDMKGSEDLKKGCTVL
TALGTILKKGQHAAEIQPLAQSHATKHKIPVKYLEFISEIIEVLKRRHSGDFGADAQGAMSKALELFR
NDIAAKYKELGFQG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



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Cloning Scheme:


ACCN: NM_001164048

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_001164048.1](#), [NP_001157520.1](#)

RefSeq Size: 981 bp

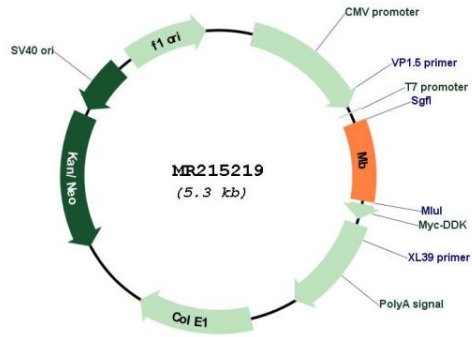
RefSeq ORF: 465 bp

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 MR215219