

Product datasheet for **MC205830**

Mb (NM_013593) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mb (NM_013593) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mb
Synonyms: A1325109
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC025172
CGGACGCGTGGGTCGGGAACCTGTTTTAGA AACAGAACATCATCTTCAACATCCAGAGGACTGTCATCCTT
GTCCCTGTGGGTGAGGGAACAAACACTTGGCTTCAATGTCCCAGGAGAAAGACCAATTGCTCATCCAG
CCCACGTGGCCTCCAGAAGCCACCATGGGGCTCAGTGATGGGGAGTGGCAGCTGGTGCTGAATGTCTGGG
GGAAGGTGGAGGCCGACCTTGCTGGCCATGGACAGGAAGTCTCATCGGTCTGTTAAGACTCACCTGA
GACCTGGATAAGTTTGACAAGTTCAAGAACTTGAAGTCAGAGGAAGATATGAAGGGCTCAGAGGACCTG
AAGAAGCATGGTTGCACCGTGCTCACAGCCCTGGGTACCATCCTGAAGAAGAAGGACAACATGCTGCCG
AGATCCAGCCTTAGCCCAATCACAGCCACCAAGCACAAAGATCCCGGTCAAGTACCTGGAGTTTATCTC
AGAAATTATCATTGAAGTCTGAAGAAGAGACATTCCGGGGACTTTGGAGCAGATGCTCAGGGCCCATG
AGCAAGGCCCTGGAGCTTCCGGAATGACATTGCCGCAAGTACAAGGAGCTAGGCTTCCAGGGCTGAG
CCATGGGCTCCCCTGTCCAGCCACCAAGCTGGGACCCAGTGTGTGTAGCAAGTAGCGTGTGCAGTGT
TCTAGGTTAGCAGAGAACAAGAAGGGGAGCATAGTGTGGCATCCACCCACACCCCTGGGACAGGGCTC
TGGGCAGTGTTACCTGGAGCCCAGAGGTGCAAAGTGGCCTTCGTGAGCTCTGCCGGTCTGCTCAGGT
CTCCTAAGTCCCAGTCCATTTTCTCTGGTTTTGGGAAAATCTCTTTTCCACTGTACATTTGACCCCAA
ATCCAAGTCACTGACTAGCAGACCCTGACCTTTGGGCGAGATGGAGGGTTGCTTAGAGGGAGTGGAGGGT
GAAAACGGGGCGGTGAGCATCAAGTCTCCCACTGCTCAGCTTCCCGTTGACCCACCTTGTCTCAATAAAA
TATCCTGCGAGTCCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_013593

Insert Size: 465 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).



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:	<u>BC025172</u> , <u>AAH25172</u>
RefSeq Size:	1100 bp
RefSeq ORF:	465 bp
Locus ID:	17189
UniProt ID:	<u>P04247</u>
Cytogenetics:	15 36.36 cM
Gene Summary:	<p>Serves as a reserve supply of oxygen and facilitates the movement of oxygen within muscles. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) represents use of an alternate promoter and 5' UTR, compared to variant 1. Variants 1, 2, and 3 all encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>