

Product datasheet for **MC203214**

Mafb (NM_010658) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mafb (NM_010658) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mafb
Synonyms:	kr; Kreisler; Krml; Krml1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >BC038256
 CCACGCGTCCGGAGCGAGCGGGCGCTTGCCCCGCGCCTCCCCTCTGCCCTGCGCGCACCTCGCCGG
 CTTCTCTACCCTGCCCGGCTCGACCTGACTCGTTCGCGCGCGCTCGCAGCCCCAAGCTCCGGGGCAGC
 TCAGGCAGCCTCGGGAGGACTCTCCGGCGCGCCGCGCTCCCCAGACAAAGGCTTGCCGGCGGCCCG
 GCCCGTGCGCCCTCGGCTCCCCGCTCCCGGCTTGGCGCTCTCGCCCCGCGTTTGGCTCGGCGCGT
 CCCGGCCGGCCGCAAAGTTTTCCCGCGGCAGCGCGGCTGAGCCTCGCTTTTAGCGATGGCCCGGAGC
 TGAGCATGGGGCAAGAGCTGCCACCAGCCACTGGCCATGGAGTACGTCAACGACTTCGACCTTCTCAA
 GTTCGACGTGAAGAAGGAGCCCCGCGGGCGCGGAGCGTCCGGGCCGGCCATGCACACGCTGCAGCCT
 GCTGGCTCGGTGTCGTCCACCCGCTCAGCACTCCGTGCAGCTCCGTGCCTTCTTCTCCAGCTTAGTC
 CGACTGAACCGAAGACCCATCTCGAGGACTGTACTGGATGGCGAGCACTACCAGCAGATGAACCCGA
 GGCCTCAACCTGACGCCGAGGACGCGGTGGAGGCGCTCATCGTTTCGACCCAGTGCCCCAGCCGCTG
 CAGAGCTTCGACGGCTCCGTAGTGCACACCACCATCACCACCACCACCCTCATCCGACCCAGGGT
 ACCCAGGAGCAGGTGTGACTCACGATGACTGGGCCAGCAGCTACCCGACCATCACCATCATACCA
 AGCGTCGCCCCCGCTCAGCGCTGCCAGTCCGCGCAACAGCTACCCACTAGCCACCCGGGGCCGGGA
 CCGCACGAACAGCCGCGGACGGCTGCGGGCGCAACGGTAGTGTGGAGGACCCTTCTGTATGACC
 AGCTGGTGTCCATGTTCGGTGCCTGAGCTGAACCGCCACCTGCGGGGCTTACCAAGGACGAGGTGATCCG
 CCTGAAGCAGAAGCGGGGACCCCTGAAGAACCAGGGGCTACGCCAGTTCGTGCAGGTATAAACCGTCCAG
 CAGAAACATCACCTGGAGAACGAGAAGACGCAGCTCATTACGAGGTGGAGCAGCTTAAGCAGGAGGTGT
 CCCGGCTGGCCGCGAGAGAGACGCCTACAAGTCAAGTGCAGAAAACCGCAACTCCGGCTTCAGGGA
 GGCGGGTCCACCAGCGACAGCCCTCCTCTCCTGAGTCTTTCTGTGAGTCTGGCGGGTCCGGCCCC
 GCCCTTGCCCTGGCCAGACTCCCTATTCTGCGCCCTAGCCCTGGACTCCCTGTCCCTGCCATGGCCCC
 GGCTTGACCTGTTTACTTGTAGTGTAGAGGAGGAAGGACGCGCGGGTCCGGGAGTCCAGCCGGGAGC
 GGGCGGCGAGAGAACCTTGGCTAAGAAGAGGGCAGCTCAGGGCGGCGCAGCCTCTAGACTTGGCAGAG
 TTAGAGAGACCCGGCGGGTCCGAGGTCCGGGAGTAACTTTTCTCAAGCTGGAAGGCCGCGAGGCTTAT
 TCCAAGGAGTCCGAAGCCGTCTGGACACTTCTGGCTCTGAGAACTTTGTGAGTGCCAGGGCCGCGCT
 TTGCAGCCAGGACTCAGTTCGTCCCAGGAAGAGCAGAGGAGAGGAGGGACTCTGGAGTCCCCGTGGG
 CACGAGGCAAGGCTGAGCTAAGGAAGGAAAAACAGACAGATCTGTCTGTCCAGAGTACGGAGAACACTGG
 CTCTCAGCCGAGACGCGGGCTCAGTTAGGACTTTCCGGCGCGAAGGAAAAAATCTCATCAGTT
 TTAATGCCTGCTCGATTATAGAAAAATACGAAAATCTGCATTAATAATTAATCCTGCATGCTGGAC
 ATGTATGGTAATAATTTCTATTTTGTACCATTTCTTGTTAACCTTAGCATGTTGTTGATCATGAATCA
 TAACCCCTTGTCTTTGGGTGAGAAGGATGCAGTTCCAAACTCCTGCGGCTGCGAGCGAGCGAGCA
 GAGTTTACGTCCCGCCGGCTGTAGATTACCCGCCCGGCCAAACCATTTGAGAAGGTAGCAGCAAG
 CTGAGTCTTTGTTGGGTTTATTATTATGCCATTTTGTGTAAGTAAAAATAAAGAAAGAAAAAAC
 CACCAAGCCCACTTTGTCCGGGAATCCTTGGGATTATCTTTCGCCCCCTCGTCTTCCCACCTTCAG
 TTTTAAGTTTTGTTGAGGAAAGCTAAGGGAGAGACAGATGCCGAGATCCACATCGTGCAGGAGTGTGC
 CTTTATTATTGTTGGGTCTTGGGCCAAATTGACATACACACACCACGACTGCTCCTACACACACAC
 ACAGAAAAACAAGACAG
 GCTTTGCGTCTAAGAAGTCAACCCAGGGCTGGTTTGAATCCTCTAGAAGAGCGCTAAGTCAAGCTCC
 CTCCCCCAGGGTTAGGGTAAAAAGATTTCTTCCACCTTGTGCTACGTGTGATGATCTGAGCTCCCAT
 GAGCCAAACAGCCATTCTTAGAATGTACTAGAAACCCACACATTGGCAACTAACGCTGCAACTCTCAAGT
 GTGCTCTTAGACCAGTGCATTATATGTTTCTGCTGTCTGGAGAGCAGGGAGACTTAATGGTGGTGT
 CAAGTCCCTTCCGTTGTACAGTAGTTATAGGGGAGGTCTAGGTGTTTTTCTTACTGTTACTTTTCTTTT
 TGCGGGTCAAGAGGATTCGTTGCACTGACAAATAAAAAAAAAAATACCAAAATGAAAGCGGACTTTT
 TAAAAATCCCACCTGAATTTGCTGGCACTGCTGGCTGGATGCTTTTTTGTGTTTGTGTTTGTGTTTGT
 ATTAGTTGATACAATTTACAGTAATAACAAGATTGTATGAACCGCATGGTGTGCTGCAAGTTTAAATATT
 GTGGATATTCGCTCTGCATCGAAACGAGCTTTGGTTTTTACTGATTCAACTGTGTTGAAATCAAACCTG
 CCGCAACGCAACAGAAATGTTTTTAATTTTATGTAATAAAGGATCAATTTCAACCCCTGCTTATGA
 TATGAAAAATATAAATCTAGTCTTATTGTAGTTTTAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_010658

Insert Size:	972 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:	BC038256 , AAH38256
RefSeq Size:	3271 bp
RefSeq ORF:	972 bp
Locus ID:	16658
UniProt ID:	P54841
Cytogenetics:	2 80.92 cM
Gene Summary:	Acts as a transcriptional activator or repressor. Plays a pivotal role in regulating lineage-specific hematopoiesis by repressing ETS1-mediated transcription of erythroid-specific genes in myeloid cells. Required for monocytic, macrophage, osteoclast, podocyte and islet beta cell differentiation. Involved in renal tubule survival and F4/80 maturation. Activates the insulin and glucagon promoters. Together with PAX6, transactivates weakly the glucagon gene promoter through the G1 element. SUMO modification controls its transcriptional activity and ability to specify macrophage fate. Binds element G1 on the glucagon promoter. Involved either as an oncogene or as a tumor suppressor, depending on the cell context. [UniProtKB/Swiss-Prot Function]