

## Product datasheet for **MC219896**

### Myb (NM\_010848) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Myb (NM_010848) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myb
Synonyms:	A1550390; c-myb; M16449
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219896 representing NM\_010848  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCCCCGAGACCCCGACACAGCATCTACAGTAGCGATGAAGATGATGAAGACATTGAGATGTGTGACC  
 ATGACTACGATGGGCTGCTGCCCAAATCTGAAAAGCGTCACTTGGGGAAAAGTAGGTGGACAAGGGAAGA  
 GGATGAGAAGCTGAAGAAGCTGGTGAACAGAACGGAACAGACGACTGAAAAGTCAATTGCCAATTATCTG  
 CCCAACCGGACAGATGTGCACTGCCAACCCGGTGGCAGAAAAGTCTGAACCCTGAACTCATCAAAGGTC  
 CCTGGACCAAAGAAGAAGATCAGAGAGTCATAGAGCTTGTCCAGAAAATATGGTCCGAAGCGTTGGTCTGT  
 TATTGCCAAGCACTTAAAAGGGAGAATTGGAAAGCAGTGTGGGAGAGGTGGCACAACCATTGAAATCCA  
 GAAGTTAAGAAAACCTCCTGGACAGAAGAGGAGGACAGAATCATTTACCAGGCACACAAGCGTCTGGGGA  
 ACAGATGGGCAGAGATCGCAAAGCTGCTGCCCGGACGGACTGATAATGCTATCAAGAACCCTGGAATTC  
 CACCATGCGTCGAAGGTGGAACAGGAAGGCTACCTGCAGGAGCCTTCCAAGCCAGCCAGACGCCAGTG  
 GCCACGAGCTTCCAGAAGAAACAATCATTTGATGGGGTTTGGGCATGCCTCACCTCCATCTCAGCTCTCTC  
 CAAGTGGCCAGTCTCCGTCAACAGCGAATATCCCTATTACCACATCGCCGAAGCACAAAACATCTCCAG  
 TCACGTTCCCTATCCTGTCGATTGCATGTTAATATAGTCAACGTCCCTCAGCCGGCTGCGGCAGCCATC  
 CAGAGACACTATAACGACGAAGACCCTGAGAAGGAAAAGCGAATAAAGGAGCTGGAGTTGCTCCTGATGT  
 CAACAGAGAACGAGCTGAAGGGACAGCAGGCATTACCAACACAGAACCACACTTGCAGCTACCCCGGGTG  
 GCACAGCACCTCCATTGTGGACCAGACCAGCCTCATGGGGATAGTGCACCTGTTTCTGTTTGGGAGAA  
 CACCATGCCACCCATCTCTGCCTGCAGATCCCAGGCTCCCTACCTGAAGAAAAGTGCCTCACCAGCAAGGT  
 GCATGATCGTCCACCAGGCACCATTCTGGACAATGTTAAGAACCCTTTAGAATTTGCAGAAAACACTCCA  
 GTTTATAGATTCTTTCTGAACACTTCCAGCAACCATGAAAGCTCGGGCTTAGATGCACCTACCTTACCC  
 TCCACTCCTCTATTGGTCACAACTGACACCATGTCGAGACCAGACTGTGAAAACCCAGAGGAAAATT  
 CCATCTTTAGAACTCCAGCTATCAAAGGTCAATCCTCGAAAAGCTCTCCTCGAACTCCCACACCATTCAA  
 ACATGCCCTTGCAGCTCAAGAAATTAATACGGTCCCCTGAAGATGCTACCTCAGACCCCTCCCATGCA  
 GTGGAGGACCTACAAGATGTGATTAAGCAGGAATCGGATGAATCTGGAATTGTGGCTGAGTTTCAAGAGA  
 GTGGACCACCGTTACTGAAAAAATCAAGCAGGAGGTGGAGTCCCAACTGAGAAATCGGAAAACCTCTT  
 CTGCTCAAACCCTGGCAGAGAACAGCCTGAGCACCCAGCTGTTCTCGCAGGCGTCTCCTGTGGCAGAT  
 GCCCAAATATTCTTACAAGCTCTGTTTTAATGACACCTGTATCAGAAGATGAAGACAATGCTCCTCAAAG  
 CCTTTACCGTACCTAAGAACAGGCCCTGGTGGTCCCTTGCAGCATGCAGTGGTGCCTGGGAGCCAGC  
 ATCCTGTGGGAAGACAGAGGACCAGATGACGGCCTCCGGTCCGGCTCGGAAATACGTGAACGCGTCTCA  
 GCTCGAACTCTGGTCAT**GTA**

AC**GCGGCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA  
 TTACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-NotI
- ACCN:** NM\_010848
- Insert Size:** 1911 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:**

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\\_010848.3](#), [NP\\_034978.3](#)

**RefSeq Size:** 3420 bp

**RefSeq ORF:** 1911 bp

**Locus ID:** 17863

**UniProt ID:** [P06876](#)

**Cytogenetics:** 10 9.75 cM

**Gene Summary:** Transcriptional activator; DNA-binding protein that specifically recognize the sequence 5'-YAAC[GT]G-3'. Plays an important role in the control of proliferation and differentiation of hematopoietic progenitor cells.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) lacks an in-frame exon in the 3' coding region, compared to variant 1, and encodes a shorter isoform (2), compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.