

Product datasheet for **MC218204**

Myef2 (BC060946) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myef2 (BC060946) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myef2
Synonyms:	9430071B01
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >BC060946
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAATGATGAGTCAGTGAAGGAAGAAAAATCTGATTTAAAAGAAAAGTCTACAGAAATAAGAAGG
 CCAATCGTTCCATCCTTATTCAAAGATAAGAATTCGGCACTGGAGAAAAGAAAGTCCAAATCGGAA
 CAGAGTGTTCATTAGCAACATACCTATGACATGAAGTGGCAGGCTATTAAGATTTGATGAGAGAAAA
 GTTGGTGAAGTTACATACGTGGAGCTCTTTAAGGATGCGGAAGGAAAAATCAAGGGTTGTGGCGTGGTTG
 AATTCAAAGATGAAGAATTTGTAAGAAAGCATTAGAACTATGAACAAATATGACCTTAGTGAAGGCC
 TTTGAATATTAAGAGGATCCGGATGGAGAAAATGCTCGCCGGCACTGCAGCGAACAGGAACATCATT
 CAAGGATCACATGCCTCCGATGTGGATCTGGGTGGTGAATTTACCACCTCCATTCTCAATAATCCAA
 ACATTCCTCCTGAGGTTATCAGCAATTTGCAGGCTGGTAGACTTGGTCCACAATTTTTGTTGCTAATCT
 TGACTTCAAAGTTGGTTGGAAGAAATTAAGGAAGTGTTCAGCATAGCTGGAAGTGTGAAGCGAGCTGAT
 ATTAAGAAGACAAGGATGGCAAGAGCAGAGGCATGGGCACTGTCACTTTTGAGCAGGCAATTGAAGCAG
 TCCAAGCAATTTCCATGTTCAATGGGCAGTTTTTATTTGATAGACCTATGCATGTAAAAATGGATGACAA
 ATCTGTCCCTCATGAAGACTACCGTTCACATGATAGTAAGACATCACAGTTACCACGTGGTCTTGGAGGC
 ATTGGAATGGGACTTGGTCCAGTGGACAGCCTATTAGTGCCAGCCAGCTGAACATAACTGGTGTAAATGG
 GAAATTTGGGTCCAAGTGGTATGGGAATGGATGGTCCGGGTTTTGGAGGAGTGAATAGAATTGGAGGAGG
 AGTTGGGTTTGGTGGTCTGGAAGCAATGAATAGCATGGCAGGCTTTGGTGGAGTTGGCCGAATGGGAGGC
 GGCAGCATGAGCGGCATGAGCACTGTGACTGGAGGCATGGGCATGGACTGGACCGCATGAGCTCCAGCT
 TCGACAGGATGGGCCAGGCATTGGAGCCATACTGGAAAGGAGCATCGATGTAGACCGAGGTTTTTATC
 AGGTCCCATGGGAAGCGGAATGAGAGACAGATTAGGCTCCAAAGGCAACCAGATATTTGTTAGAAATCTT
 CCTTTGACTTGACTTGGCAGAAATTAAGAGAAATTCAGCCAATGTGGCCAGATTAACAGAGATAGCA
 AGACTCACTCTAAGTGGACAACACCATTCTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC060946

Insert Size: 1365 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: [BC060946](#), [AAH60946](#)
RefSeq Size: 1692 bp
RefSeq ORF: 1364 bp
Locus ID: 17876
Cytogenetics: 2 61.16 cM
Gene Summary: Transcriptional repressor of the myelin basic protein gene (MBP). Binds to the proximal MB1 element 5'-TTGTCC-3' of the MBP promoter. Its binding to MB1 and function are inhibited by PURA.[UniProtKB/Swiss-Prot Function]