

Product datasheet for **MC218811**

Myef2 (NM_001162418) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myef2 (NM_001162418) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Myef2
Synonyms:	9430071B01; mKIAA1341
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC218811 representing NM_001162418
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCGATGCCGACAAGTCCGAGGCGGCCGGGTGACGACGGCTCGCAGCAGCAACCGGCTGAGCCG
 GGCAGACACGCACCCCGCGAGCCGAGAAACCGCCGCGCAGCAGCGCCAACGGCGTTAAAATGGAGAA
 TGATGAGTCAGTGAAGGAAGAAAAATCTGATTTAAAAGAAAAAGTCTACAGGAAATAGAAGGCCAATCGG
 TTCCATCCTTATTCAAAAGATAAGAATTCGGGCACTGGAGAAAAGAAAGTCCAAATCGGAACAGAGTGT
 TCATTAGCAACATACCCTATGACATGAAGTGGCAGGCTATTAAAGATTTGATGAGAGAAAAAGTTGGTGA
 GGTACATACGTGGAGCTCTTTAAGGATGCGGAAGGAAAATCAAGGGTTGTGGCGTGGTTGAATTCAAA
 GATGAAGAATTTGTAAGAAAGCATTAGAACTATGAACAAATATGACCTTAGTGAAGGCCCTTTGAATA
 TTAAGAGGATCCGGATGGAGAAAATGCTCGCCGGGCACTGCAGCGAACAGGAACATCATTTCAAGGATC
 ACATGCCTCCGATGTGGGATCTGGGTTGGTGAATTTACCACCTTCCATTCTCAATAATCCAAACATTCT
 CCTGAGGTTATACGAATTTGCAGGCTGGTAGACTTGGTTCACAATTTTGTGCTAATCTTGACTTCA
 AAGTTGGTTGGAAGAAATTAAGGAAGTGTTCAGCATAGCTGGAAGTGTGAAGCGAGCTGATTTAAGA
 AGACAAGGATGGCAAGAGCAGAGGCATGGGCACTGTCACCTTTGAGCAGGCAATTGAAGCAGTCCAAGCA
 ATTTCCATGTTCAATGGGCGATTTTTATTTGATAGACCTATGCATGTGAAAATGGATGACAAATCTGTCC
 CTCATGAAGACTACCGTTCACATGATAGTAAGACATCACAGTTACCACGTTGCTTGGAGGCATTGGAAT
 GGGACTTGGTCCAGGTGGACAGCCTATTAGTGCCAGCCAGCTGAACATAACTGGTGAATGGGAAATTTG
 GGTCCAAGTGGAGTTGGGTTTGGTGGTCTGGAAGCAATGAATAGCATGGCAGGCTTTGGTGGAGTTGGCC
 GAATGGGAGAGCTATACCGTGGTGAATGACTAGTGCATGGAGCGAGATTTCCGACGTTGGTGAATTTGG
 ATTAAGTCGAGGCTTTGGCGATTCTTTGGTAGACTTGGCGGCAGCATGAGCGGCATGAGCACTGTGACT
 GGAGGCATGGGCATGGGACTGGACCGCATGAGCTCCAGCTTCGACAGGATGGGGCCAGGCATTGGAGCCA
 TACTGGAAGGAGCATCGATGTAGACCGAGGTTTTTATCAGGTCCCATGGGAAGCGGAATGAGAGACAG
 ATTAGGCTCCAAAGGCAACCAGATTTTGTAGAAATCTTCTTTTGGACTTGGACTTGGCAGAAAATAAAA
 GAGAAATTCAGCCAATGTGGTCAATGTAATGTTGCAGAGATAAAGATGGAGAATGGCAAGTCAAAGGCT
 GTGGGACAGTCAGGTTTGAATCTGCAGAGTCAGCGGAAAAGGCCCTGCAGGATCATGAATGGCATCAAGT
 CAGCGGCAGGAAATCGATGTGCGCTTGGACCGCAATGCG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** Sgfl-Mlul
- ACCN:** NM_001162418
- Insert Size:** 1653 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_001162418.1](#), [NP_001155890.1](#)

RefSeq Size: 2927 bp

RefSeq ORF: 1653 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]

Transcript Variant: This variant (3) lacks two in-frame exons in the middle portion of the coding region and differs in the 3' UTR, compared to variant 1. The resulting isoform (3) is shorter than isoform 1.