

Product datasheet for **MC219391**

Myef2 (NM_001162417) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myef2 (NM_001162417) 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: >MC219391 representing NM_001162417
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCGATGCCGACAAGTCCGAGGCGGCCGGGTGACGACGGCTCGCAGCAGCAACCGGCTGAGCCG
 GCGGAGACACGCACCCCGGCGAGCCGAGAAACCGCCGCGCAGCAGCGCCAACGGCGTTAAAATGGAGAA
 TGATGAGTCAGTGAAGGAAGAAAAATCTGATTTAAAAGAAAAAGTCTACAGGAAATAGAAGGCCAATCGG
 TTCATCCTTATTCAAAAGATAAGAATTCGGGCACTGGAGAAAAGAAAGTCCAAATCGGAACAGAGTGT
 TCATTAGCAACATACCCTATGACATGAAGTGGCAGGCTATTAAAGATTTGATGAGAGAAAAAGTTGGTGA
 GGTACATACGTGGAGCTCTTTAAGGATGCGGAAGGAAAAATCAAGGGGTTGTGGCGTGGTTGAATCAAA
 GATGAAGAATTTGTAAGAAAGCATTAGAACTATGAACAAATATGACCTTAGTGAAGGCCCTTTGAATA
 TTAAGAGGATCCGGATGGAGAAAATGCTCGCCGGGCACTGCAGCGAACAGGAACATCATTTCAAGGATC
 ACATGCCTCCGATGTGGGATCTGGGTTGGTGAATTTACCACCTTCCATTCTCAATAATCCAAACATTCT
 CCTGAGGTTATCAGCAATTTGCAGGCTGGTAGACTTGGTCCACAATTTTGTGCTAATCTTGACTTCA
 AAGTTGGTTGGAAGAAATTAAGGAAGTGTTCAGCATAGCTGGAAGTGTGAAGCGAGCTGATTTAAGA
 AGACAAGGATGGCAAGAGCAGAGGCATGGGCACTGTCACCTTTGAGCAGGCAATTGAAGCAGTCCAAGCA
 ATTTCCATGTTCAATGGGCGATTTTTATTTGATAGACCTATGCATGTGAAAATGGATGACAAATCTGTCC
 CTCATGAAGACTACCGTTCACATGATAGTAAGACATCACAGTTACCACGTGGTCTTGAGGCATTGGAAT
 GGGACTTGGTCCAGGTGGACAGCCTATTAGTGCCAGCCAGCTGAACATAACTGGTGTAAATGGGAAATTTG
 GGTCCAAGTGGTATGGGAATGGATGGTCCGGGTTTTGGAGGAGTGAATAGAATTGGAGGAGGAGTTGGGT
 TTGGTGGTCTGGAAGCAATGAATAGCATGGCAGGCTTTGGTGGAGTTGGCCGAATGGGAGAGCTATACCG
 TGGTGCAATGACTAGTAGCATGGAGCGAGATTTGGGACGTGGTGAATTTGGATTAAAGTCGAGGCTTTGGC
 GATTCCTTTGGTAGACTTGGCAGTGCAATGATTGGAGGTTTTGCAGGAAGAATAGGAGCTTCTAACATGG
 GTCAGTAGGAAGTGAATAAGCGGCAGCATGAGCGGCATGAGCACTGTGACTGGAGGCATGGGCATGGG
 ACTGGACCGCATGAGCTCCAGCTTCGACAGGATGGGGCCAGGCATTGGAGCCATACTGGAAGGAGCATC
 GATGTAGACCGAGGGTTTTATCAGGTCCCATGGGAAGCGGAATGAGAGACAGATTAGGCTCCAAAGGCA
 ACCAGATATTTGTAGAAATCTTCTTTGACTTGGCAGAAATAAAAGAGAAATTCAGCCAATG
 TGGTCATGTAATGTTGCAGAGATAAAGATGGAGAATGGCAAGTCAAAGGCTGTGGGACAGTCAGGTTT
 GAATCTGCAGAGTCAGCGAAAAGGCCTGCAGGATCATGAATGGCATCAAGATCAGCGGCAGGGAATCG
 ATGTGCGCTTGACCGCAATGCG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001162417
- Insert Size:** 1776 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_001162417.1](#), [NP_001155889.1](#)

RefSeq Size: 2402 bp

RefSeq ORF: 1776 bp

Locus ID: 17876

UniProt ID: [Q8C854](#)

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 (1) represents the longest transcript and encodes the longest isoform (1).