

Product datasheet for **MR207253**

Myef2 (BC060946) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR207253 representing BC060946
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGAATGATGAGTCAGTGAAGGAAGAAAAATCTGATTTAAAAGAAAAGTCTACAGGAAATAAGAAGG
 CCAATCGTTCCATCCTTATTCAAAAGATAAGAATTCGGGCACTGGAGAAAAGAAAGTCCAAATCGGAA
 CAGAGTGTTCATTAGCAACATACCTATGACATGAAGTGGCAGGCTATTAAGATTTGATGAGAGAAAA
 GTTGGTGAAGTTACATACGTGGAGCTCTTTAAGGATGCGGAAGGAAAAATCAAGGGTTGTGGCGTGGTTG
 AATTCAAAGATGAAGAATTTGTAAGAAAAGCATTAGAACTATGAACAAATATGACCTTAGTGGAAGGCC
 TTTGAATATTAAGAGGATCCGGATGGAGAAAATGCTCGCGGGCACTGCAGCGAACAGGAACATCATT
 CAAGGATCACATGCCTCCGATGTGGATCTGGGTGGTGAATTTACCACCTTCATTCTCAATAATCCAA
 ACATTCCTCCTGAGGTTATCAGCAATTTGCAGGCTGGTAGACTTGGTCCACAATTTTTGTTGCTAATCT
 TGACTTCAAAGTTGGTTGGAAGAAATTAAGGAAGTGTTCAGCATAGCTGGAAGTGTGAAGCGAGCTGAT
 ATTAAGAAGACAAGGATGGCAAGAGCAGAGGCATGGGCACTGTCACTTTTGAGCAGGCAATTGAAGCAG
 TCCAAGCAATTTCCATGTTCAATGGGCAGTTTTTATTTGATAGACCTATGCATGTAAAAATGGATGACAA
 ATCTGTCCCTCATGAAGACTACCGTTCACATGATAGTAAGACATCACAGTACCACGTGGTCTTGGAGGC
 ATTGGAATGGGACTTGGTCCAGTGGACAGCCTATTAGTGCCAGCCAGCTGAACATAACTGGTGTAAATGG
 GAAATTTGGGTCCAAGTGGTATGGGAATGGATGGTCCGGGTTTTGGAGGAGTGAATAGAATTGGAGGAGG
 AGTTGGGTTTGGTGGTCTGGAAGCAATGAATAGCATGGCAGGCTTTGGTGGAGTTGGCCGAATGGGAGGC
 GGCAGCATGAGCGGCATGAGCACTGTGACTGGAGGCATGGGCATGGGACTGGACCGCATGAGCTCCAGCT
 TCGACAGGATGGGCGCAGGCATTGGAGCCATACTGGAAAGGAGCATCGATGTAGACCGAGGTTTTTATC
 AGGTCCCATGGGAAGCGGAATGAGAGACAGATTAGGCTCCAAGGCAACCAGATATTTGTTAGAAATCTT
 CCTTTGACTTGACTTGCCAGAAATTAAGAGAAATTCAGCCAATGTGGCCAGATTAACAGAGATAGCA
 AGACTCACTCTAAGTGTGGACAACACCATTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR207253 representing BC060946
 Red=Cloning site Green=Tags(s)

MENDESVKEEKSDLKEKSTGNKKANRFHPYSKDKNSGTGEKKGPNRRNVFISNIPYDMKWQAIKDLMREK
 VGEVTVYVELFKDAEGKSRGCGVVEFKDEEFVKKALETMNKYDL SGRPLNIKEDPDGENARRALQRTGTSF
 QGSHASDVGSLVNLPPSILNPNIPPEVISNLQAGRLGSTIFVANLDFKVGWKKLKEVFSIAGTVKRAD
 IKEDKDGKSRGMGTVTFEQAI EAVQAI SMFNGQFLFDRPMHVKMDDKSVPHEDYRSHDSKTSQLPRLGG
 IGMGLPGGQPI SASQLNITGVMGNLGP SGMGMDGPGF GGVNRI GGGVGF GGLEAMNSMAGFGGVGRMGG
 GSMSGMSTVTGGMGMLDRMSSSFDRMGPIGAILERSIDVDRGFLSGPMGSGMRDLGSKGNQIFVRNL
 PFDLTWQKLEKFSQCGQINRDSKTHSNCGQHHS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: BC060946

ORF Size: 1362 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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: [BC060946.1](#)
RefSeq Size: 1692 bp

RefSeq ORF: 1364 bp

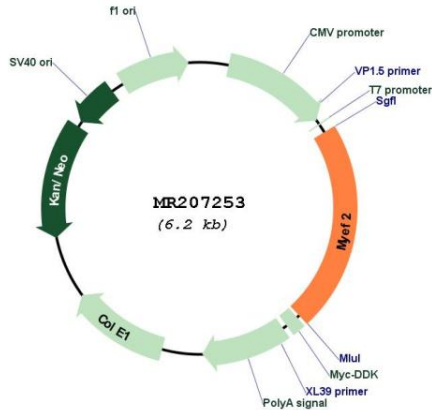
Locus ID: 17876

Cytogenetics: 2 61.16 cM

MW: 62 kDa

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]

Product images:



Circular map for MR207253