

Product datasheet for **MR216060**

Myef2 (NM_001162418) Mouse Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>MR216060 representing NM_001162418
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGCCGATGCCGACAAGTCCGAGGCGGCCGGGTGACGACGGCTCGCAGCAGCAACCGGCTGAGCCG
 GCGGAGACACGCACCCCGCGAGCCGAGAAACCGCCGCGCAGCAGCCCAACGGCGTTAAAATGGAGAA
 TGATGAGTCAGTGAAGGAAGAAAAATCTGATTTAAAAGAAAAAGTCTACAGGAAATAGAAGGCCAATCGG
 TTCCATCCTTATTCAAAAGATAAGAATTCGGGCACTGGAGAAAAGAAAGTCCAAATCGGAACAGAGTGT
 TCATTAGCAACATACCCTATGACATGAAGTGGCAGGCTATTAAGATTTGATGAGAGAAAAAGTTGGTGA
 GGTTACATACGTGGAGCTCTTTAAGGATGCGGAAGGAAAAATCAAGGGGTTGTGGCGTGGTTGAATCAAA
 GATGAAGAATTTGTAAGAAAGCATTAGAACTATGAACAAATATGACCTTAGTGAAGGCCCTTTGAATA
 TTAAGAGGATCCGGATGGAGAAAATGCTCGCCGGGCACTGCAGCGAACAGGAACATCATTTCAAGGATC
 ACATGCCTCCGATGTGGGATCTGGGTTGGTGAATTTACCACCTTCCATTCTCAATAATCCAAACATTCT
 CCTGAGGTTATCAGCAATTTGCAGGCTGGTAGACTTGGTCCACAATTTTGTGCTAATCTTGACTTCA
 AAGTTGGTTGGAAGAAATTAAGGAAGTGTTCAGCATAGCTGGAAGTGTGAAGCGAGCTGATTTAAGA
 AGACAAGGATGGCAAGAGCAGAGGCATGGGCACTGTCACCTTTGAGCAGGCAATTGAAGCAGTCCAAGCA
 ATTTCCATGTTCAATGGGCACTTTTATTTGATAGACCTATGCATGTGAAAATGGATGACAAATCTGTCC
 CTCATGAAGACTACCGTTCACATGATAGTAAGACATCACAGTTACCACGTGGTCTTGAGGCATTGGAAT
 GGGACTTGGTCCAGGTGGACAGCCTATTAGTGCCAGCCAGCTGAACATAACTGGTGAATGGGAAATTTG
 GGTTCAAGTGGAGTTGGGTTTGGTGGTCTGGAAGCAATGAATAGCATGGCAGGCTTTGGTGGAGTTGGCC
 GAATGGGAGAGCTATACCGTGGTGAATGACTAGTATGATGGAGCGAGATTTCCGACGTGGTGAATTTGG
 ATTAAGTCGAGGCTTTGGCGATTCTTTGGTAGACTTGGCGGCAGCATGAGCGGCATGAGCACTGTGACT
 GGAGGCATGGGCATGGGACTGGACCGCATGAGCTCCAGCTTCGACAGGATGGGGCCAGGCATTGGAGCCA
 TACTGGAAGGAGCATCGATGTAGACCGAGGTTTTTATCAGGTCCCATGGGAAGCGGAATGAGAGACAG
 ATTAGGCTCCAAAGGCAACCAGATATTTGTTAGAAATCTTCTTTTGACTTGACTTGGCAGAAAATAAAA
 GAGAAATTCAGCCAATGTGGTCAATGTAATGTTGTCAGAGATAAAGATGGAGAATGGCAAGTCAAAGGCT
 GTGGGACAGTCAGGTTTGAATCTGCAGAGTCAGCGGAAAAGGCCATGCAGGATCATGAATGGCATCAAGT
 CAGCGGCAGGAAATCGATGTGCGCTTGGACCGCAATGCG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216060 representing NM_001162418
 Red=Cloning site Green=Tags(s)

MADADKSEAAAGDDGSQQQPAEPRRDTHPGEPEKPPRSSANGVKMENDESVKEEKSDLKEKSTGNKKANR
 FHPYSKDKNSGTGEKKGPNRNVFISNIPYDMKWQAIKDLMREKVGEVTVYELFKDAEGKSRGCGVVEFK
 DEEFVKKALETMNKYDLSGRPLNIKEDPDGENARRALQRTGTSFQGSASDVGSLVNLPPSILNPNIP
 PEVISNLQAGRLGSTIFVANLDFKVGWKKLKEVFSIAGTVKRADIKEDKDGKSRGMGTVTFEQAIEAVQA
 ISMFNGQFLFDRPMHVKMDDKSVPHEDYRSHDSKTSQPRGLGGIGMGLPGGQPIASQLNITGVMGNL
 GPSGVGFGLLEAMNSMAGFGGVGRMGELYRGAMTSSMERDFGRGDIGLSRFGDSFGRLLGSSMSGMSTVT
 GGMGMGLDRMSSSFDRMGPIGAILERSIDVDRGFLSGPMGSGMRDLGSKGNQIFVRNLPFDL TWQKLLK
 EKFSQCGHVMFAEIKMENGKSKGCGTVRFESAESAERKACRIMNGIKISGREIDVRLDRNA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001162418

ORF Size: 1650 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: [NM_001162418.1](#), [NP_001155890.1](#)

RefSeq Size: 2927 bp

RefSeq ORF: 1653 bp

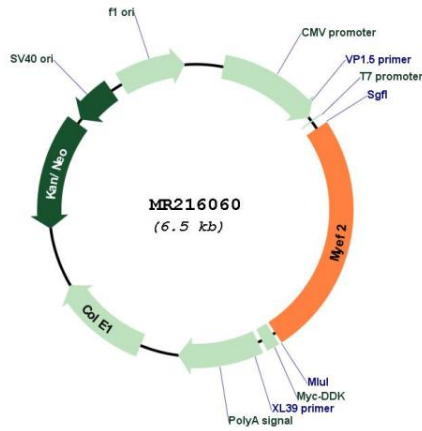
Locus ID: 17876

Cytogenetics: 2 61.16 cM

MW: 60 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 MR216060