

## Product datasheet for **MG207253**

### Myef2 (BC060946) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Myef2 (BC060946) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                |
| Symbol:                   | Myef2                                   |
| Synonyms:                 | 9430071B01                              |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-AC-GFP (PS100010)                 |
| E. coli Selection:        | Ampicillin (100 ug/mL)                  |



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**ORF Nucleotide Sequence:**

>MG207253 representing BC060946  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGAGAATGATGAGTCAGTGAAGGAAGAAAAATCTGATTTAAAAGAAAAGTCTACAGAAATAAGAAGG  
 CCAATCGTTCCATCCTTATTCAAAAGATAAGAATTCGGGCACTGGAGAAAAGAAAGGTCCAATCGGAA  
 CAGAGTGTTCATTAGCAACATACCTATGACATGAAGTGGCAGGCTATTAAGATTTGATGAGAGAAAA  
 GTTGGTGAAGTTACATACGTGGAGCTCTTTAAGGATGCGGAAGGAAAAATCAAGGGTTGTGGCGTGGTTG  
 AATTCAAAGATGAAGAATTTGTAAGAAAAGCATTAGAACTATGAACAAATATGACCTTAGTGGAAGGCC  
 TTTGAATATTAAGAGGATCCGGATGGAGAAAATGCTCGCCGGGCACTGCAGCGAACAGGAACATCATT  
 CAAGGATCACATGCCTCCGATGTGGATCTGGGTGGTGAATTTACCACCTTCATTCTCAATAATCCAA  
 ACATTCCTCCTGAGGTTATCAGCAATTTGCAGGCTGGTAGACTTGGTTCCACAATTTTTGTTGCTAATCT  
 TGACTTCAAAGTTGGTTGGAAGAAATTAAGGAAGTGTTCAGCATAGCTGGAAGTGTGAAGCGAGCTGAT  
 ATTAAGAAGACAAGGATGGCAAGAGCAGAGGCATGGGCACTGTCACTTTTGAGCAGGCAATTGAAGCAG  
 TCCAAGCAATTTCCATGTTCAATGGGCAGTTTTTATTTGATAGACCTATGCATGTAAAAATGGATGACAA  
 ATCTGTCCCTCATGAAGACTACCGTTCACATGATAGTAAGACATCACAGTACCACGTGGTCTTGGAGGC  
 ATTGGAATGGGACTTGGTCCAGTGGACAGCCTATTAGTGCCAGCCAGCTGAACATAACTGGTGTAAATGG  
 GAAATTTGGGTCCAAGTGGTATGGGAATGGATGGTCCGGGTTTTGGAGGAGTGAATAGAATTGGAGGAGG  
 AGTTGGGTTTGGTGGTCTGGAAGCAATGAATAGCATGGCAGGCTTTGGTGGAGTTGGCCGAATGGGAGGC  
 GGCAGCATGAGCGGCATGAGCACTGTACTGGAGGCATGGGCATGGGACTGGACCCGATGAGCTCCAGCT  
 TCGACAGGATGGGGCCAGGCATTGGAGCCATACTGGAAAGGAGCATCGATGTAGACCGAGGTTTTTATC  
 AGGTCCCATGGGAAGCGGAATGAGAGACAGATTAGGCTCCAAAGGCAACCAGATATTTGTTAGAAATCTT  
 CCTTTTGACTTGACTTGGCAGAAATTAAGAGAAATTCAGCCAATGTGGCCAGATTAACAGAGATAGCA  
 AGACTCACTCTAACTGTGGACAACACCATTCC

**ACCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:**

>MG207253 representing BC060946  
 Red=Cloning site Green=Tags(s)

MENDESVKEEKSDLKEKSTGNKKANRPHYPYKDKNSGTGEKKGPNRNRVVISNIPYDMKWQAIKDLMREK  
 VGEVTVYVELFKDAEGKSRGCGVVEFKDEEFVKKALETMNKYDL SGRPLNIKEDPDGENARRALQRTGTSF  
 QGSHASDVGSSLVNLPPSILNPNIPPEVISNLQAGRLGSTIFVANLDFKVGWKKLKEVFSIAGTVKRAD  
 IKEDKDGKSRGMGTVTFEQAIEAVQAI SMFNGQFLFDRPMHVKMDKSVPHEDYRSHDSKTSQ LPRGLGG  
 IGMGLPGGQPISASQLNITGVMGNLGP SGMGMDGPGFGGVNRI GGGVGF GGLEAMNSMAGFGGVGRMGG  
 GSMGMSTVTGGMGMLDRMSSSFDRMGPIGAILERSIDVDRGFLSGPMGSGMRDRLGSKGNQIFVRNL  
 PFDLTWQKLKEKFSQCGQINRDSKTHSNCGQHHS

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**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

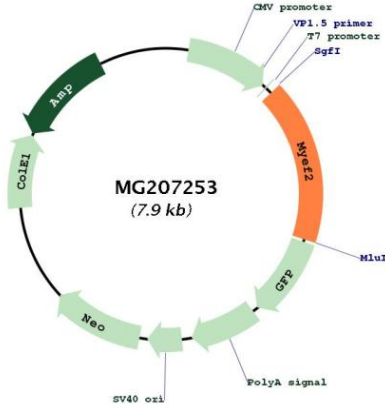
**Locus ID:** 17876

**Cytogenetics:** 2 61.16 cM

**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 MG207253