

Product datasheet for **SC336852**

Myelin expression factor 2 (MYEF2) (NM_001301210) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Myelin expression factor 2 (MYEF2) (NM_001301210) Human Untagged Clone
Tag:	Tag Free
Symbol:	MYEF2
Synonyms:	HsT18564; MEF-2; MST156; MSTP156; myEF-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

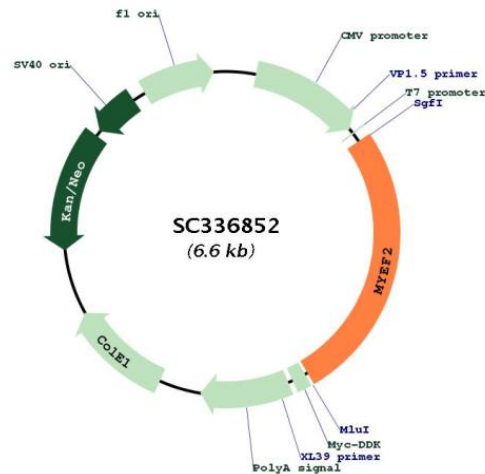


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Fully Sequenced ORF: >SC336852 representing NM_001301210.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTAGTGAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGCATCGCC
ATGGCGGACGCCAACAAAGGCCGAGGTGCCCGGGCCACTGGTGGCGACAGCCCGCACCTGCAGCCCGCA
GAGCCCGCGGGCGAGCCCGCGCGAGAGCCGCACCCCGGAGGCGGAGAAGCAGCAGCCGCAGCACAGC
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GCATAA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI

Plasmid Map:


ACCN: NM_001301210

Insert Size: 1731 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_001301210.1](#)

RefSeq Size: 5335 bp

RefSeq ORF: 1731 bp

Locus ID: 50804

UniProt ID: [Q9P2K5](#)

Cytogenetics: 15q21.1

Protein Families: Transcription Factors

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 (By similarity).[UniProtKB/Swiss-Prot Function]

Transcript Variant: This variant (2) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.