

Product datasheet for MR201170

Maff (NM_010755) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Maff (NM_010755) Mouse Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Maff
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >MR201170 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**

ATGGCTGTGGATCCCTTATCTAGCAAAGCCCTGAAGGTCAAGCGCGAGTTGAGCGAGAACACGCCGCACC
 TGTCGGATGAAGCGCTGATGGGGCTGTCGGTGCCGAGCTGAACCGCAACCTGCGCGGGCTGTCGGCGGA
 GGAGGTGACGCGGCTGAAGCAGCGGCCGCCACACTCAAGAACCAGCGCTACGCGCCAGCTGCCGCGTG
 AAGCGCGTGTGCCAGAAGGAGGAGCTGCAGAAGCAGAAGTCCGAGCTGGAGCGCGAGGTGGACAAGCTGG
 CGCGCGAGAACGCCCCATGCGCCTGGAGCTCGACGCGTGCAGCGCAAGTGTGAAGCGCTGCAGGGCTT
 CGCGCGTCCGTGGCCGCGCCCGCGGGCCCGCCGCACTGGTGGCGCCCGCCAGCGTCATCACCATCGTC
 AAGTCGGCGCGGGCCAGCCCTGCTGCTGACCCCGCCCTGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR201170 protein sequence
 Red=Cloning site Green=Tags(s)

MAVDPLSSKALKVKRELSENTPHLSDEALMGLSVRELNRLRGLSAEEVTRLKQRRRTLKNRGYAASCRV
 KRVCQKEELQKQKSELEREVDKLARENAAMRLELDALRGKCEALQGFARSVAAARGPAALVAPASVITIV
 KSAPGPAPAADPAPCS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI



Cloning Scheme:


ACCN: NM_010755

ORF Size: 471 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_010755.4](#)

RefSeq Size: 1800 bp

RefSeq ORF: 471 bp

Locus ID: 17133

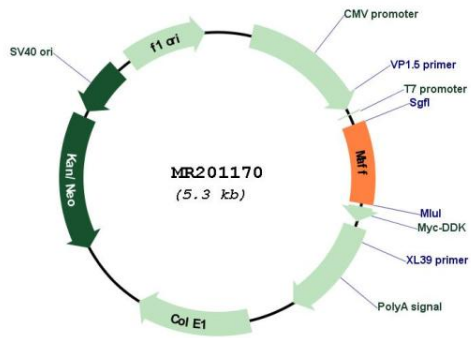
UniProt ID: [O54791](#)

Cytogenetics: 15 37.7 cM

MW: 17 kDa

Gene Summary: Since they lack a putative transactivation domain, the small Mafs behave as transcriptional repressors when they dimerize among themselves. However, they seem to serve as transcriptional activators by dimerizing with other (usually larger) basic-zipper proteins, such as NFE2L1/NRF1, and recruiting them to specific DNA-binding sites. Interacts with the upstream promoter region of the oxytocin receptor gene. May be a transcriptional enhancer in the up-regulation of the oxytocin receptor gene at parturition.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR201170