

## MAFF cDNA

Catalog Number: ATGD0423

### PRODUCT INFORMATION

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**Catalog number**

ATGD0423

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_001155045.1

**Alternative Names**

hMafF, U-MAF, Transcription factor MafF

**mRNA Refseq**

NM\_001161573.1

**OMIM**

604877

**Chromosome location**

22q13.1

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

495bp

**Preparation before usage**

1. Centrifuge at 7000rpm for 1 minute.
2. Carefully open the vial and add 100ul of sterile water to dissolve the DNA. Each tube contains approximately 10ug of lyophilized plasmid.

**Vector description**

This shuttle vector contains the complete ORF. It is inseted Nde I to Xho I. The gene insert contains multiple cloning sites which can be used to easily cut and transfer the gene and recombination site into your expression vector.

**Cloning Vector**

pATGen (puc19-derived cloning vector)

**General Description**

**MAFF cDNA**

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MAFF is a basic leucine zipper (bZIP) transcription factor that lacks a transactivation domain. It is known to bind the US-2 DNA element in the promoter of the oxytocin receptor (OTR) gene and most likely heterodimerizes with other leucine zipper-containing proteins to enhance expression of the OTR gene during term pregnancy. Multiple transcript variants encoding two different isoforms have been found for this gene.

**DATA**

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**Sequence nucleotides**

```
ATGTCTGTGGATCCCCTATCCAGCAAAGCTCTAAAGATCAAGCGAGAGCTGAGCGAGAACACGCCGCACCTGTCGGACGAG
GCGCTGATGGGGCTGTTCGGTGC GCGAGCTGAACCGGCATCTGCGCGGGCTCTCCGCCGAGGAGGTGACACGGCTCAAGC
AGCGGGCGCCGCACACTCAAAAACCGTGGCTACGCCGCCAGCTGCCGCGTGAAGCGCGTGTGCCAGAAGGAGGAGCTGCA
GAAGCAGAAGTCGGAGCTGGAGCGCGAGGTGGACAAGCTGGCGCGCGAGAACGCCGCCATGCGCCTGGAGCTCGACGCG
CTGCGCGGCAAGTGC GAGGCGCTGCAGGGCTTCGCGCGCTCCGTGGCCGCCGCCCGCGGGCCCGCCACGCTCGTGGCGC
CGGCCAGCGTCATCACCATCGTCAAGTCCACCCCGGGCTCGGGGTCTGGCCCCGCCACGGCCCGGACCCCGCCACGGC
CCGGCCTCCTGCTCCTAG
```

**Transaction Sequence**

```
MSVDPLSSKA LKIKRELSN TPHLSDEALM GLSVRELNHR LRGLSAEEVT RLKQRRRTLK NRGYAASCRV KRVCQKEELQ
KQKSELEREV DKLARENAAM RLELDALRGK CEALQGFARS VAAARGPATL VAPASVITIV KSTPGSGSGP AHGPDPAHGP
ASCS
```