

MAFF cDNA

Catalog Number: ATGD0423

PRODUCT INFORMATION

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

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

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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

Sequence nucleotides

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ATGTCTGTGGATCCCCTATCCAGCAAAGCTCTAAAGATCAAGCGAGAGCTGAGCGAGAACACGCCGCACCTGTCGGACGAG
GCGCTGATGGGGCTGTCCGGTGC GCGAGCTGAACCGGCATCTGCGCGGGCTCTCCGCCGAGGAGGTGACACGGCTCAAGC
AGCGGGCGCCGCACACTCAAAAACCGTGGCTACGCCGCCAGCTGCCGCGTGAAGCGCGTGTGCCAGAAGGAGGAGCTGCA
GAAGCAGAAGTCGGAGCTGGAGCGCGAGGTGGACAAGCTGGCGCGCGAGAACGCCGCCATGCGCCTGGAGCTCGACGCG
CTGCGCGGCAAGTGC GAGGCGCTGCAGGGCTTCGCGCGCTCCGTGGCCGCCGCCCGCGGGCCCGCCACGCTCGTGGCGC
CGGCCAGCGTCATCACCATCGTCAAGTCCACCCCGGGCTCGGGGTCTGGCCCCGCCACGGCCCGGACCCCGCCACGGC
CCGGCCTCCTGCTCCTAG
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Transaction Sequence

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