

MSC cDNA

Catalog Number: ATGD0053

PRODUCT INFORMATION

Catalog number

ATGD0053

Product type

cDNA

Species

Human

NCBI Accession No.

NP_005089.2

Alternative Names

ABF-1, ABF1, bHLHa22, MYOR

mRNA Refseq

NM_005098.3

OMIM

603628

Chromosome location

8q21

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

621bp

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 BamH 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

MSC cDNA

Catalog Number: ATGD0053

This gene is a transcriptional repressor capable of binding an E-box element either as a homodimer or as a heterodimer with E2A in vitro. The encoded protein also forms heterodimers with E2A proteins in vivo. This protein is capable of inhibiting the transactivation capability of E47, an E2A protein, in mammalian cells. This gene is a downstream target of the B-cell receptor signal transduction pathway.

DATA

Sequence nucleotides

```
ATGTCCACGG GCTCGGTGAG TGATCCGGAG GAGATGGAGC TTCGGGGGCT GCAGCGGGAG TACCCGGTCC
CCGCCTCCAA GAGGCCGCC CTCCGCGGCG TAGAGCGCAG CTACGCCTCG CCCAGTGACA ACTCGTCGGC
AGAGGAGGAG GACCCCGACG GCGAGGAGGA GCGCTGCGCT CTGGGCACAG CCGGCAGCGC GGAAGGCTGC
AAGAGGAAGC GGCCCCGTGT GGCTGGGGGC GCGGCGCAG GTGGTAGCGC GGGCGGTGGT GGCAAGAAGC
CCCTCCCGGC CAAGGGCTCA GCCGCAGAGT GCAAGCAGTC GCAGCGGAAC GCGGCCAACG CCCGTGAGCG
TGCCCGGATG CGCGTGCTGA GCAAAGCCTT CTCCAGGCTC AAGACCAGCC TGCCCTGGGT GCGCCCCGAC
ACTAAGCTCT CCAAGCTGGA CACGCTCCGG CTGGCTTCCA GTTACATCGC TCACCTGCGG CAGCTGTTGC
AGGAGGACCG CTATGAGAAC GGCTACGTGC ACCCAGTGAA CCTGACATGG CCATTCTGTG TCTCGGGAAG
ACCGGACTCT GACACCAAAG AAGTTTCCGC AGCCAACAGA CTATGTGGAA CCACCGCTTA A
```

Transaction Sequence

```
MSTGSVSDPE EMELRGLQRE YPVPASKRPP LRGVERSYAS PSDNSSAEEE DPDGEEERCA LGTAGSAEGC KRKRPRVAGG
GGAGGSAGGG GKKPLPAKGS AAECKQSQRN AANARERARM RVLSKAFSRL KTSLPWVPPD TKLSKLDTLR LASSYIAHLR
QLLQEDRYEN GYVHPVNLTW PFVVSGRPDS DTKEVSAANR LCGTTA
```