

## MZB1 cDNA

Catalog Number: ATGD0341

### PRODUCT INFORMATION

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**Catalog number**

ATGD0341

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_057543.2

**Alternative Names**

MEDA-7, PACAP, pERp1

**mRNA Refseq**

NM\_016459.3

**OMIM**

609447

**Chromosome location**

5q31.2

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

294bp

**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**

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MZB1 acts as a hormone-regulated adipokine/proinflammatory cytokine that is implicated in causing chronic inflammation, affecting cellular expansion and blunting insulin response in adipocytes. This protein may have a role in the onset of insulin resistance.

### DATA

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#### Sequence nucleotides

```
ATGAGGCTGTCACACTGCCACTGCTGCTGCTGCTGCTGGGAGCCTGGGCCATCCCAGGGGGCCTCGGGGACAGGGCGCCACT
CACAGCCACAGCCCCACAACCTGGATGATGAGGAGATGTACTCAGCCACATGCCCGCTCACCTGCGCTGTGATGCCTGCAG
AGCTGTGGCTTACCAGATGTGGCAAATCTGGCAAAGGCAGAGACCAAACCTTCATACCTCAAACCTCTGGGGGGCGGGCGGG
AGCTGAGCGAGTTGGTCTACACGGATGTCCTGGACCGGAGCTGCTCCCGGAACTGGCAGGACTACGGAGTTCGAGAAGTG
GACCAAGTGAAACGTCTCACAGGCCAGGACTTAGCGAGGGGCCAGAGCCAAGCATCAGCGTGATGGTTCACAGGGGGCCC
CTGGCCTACCAGGCTCTCCAGGACATGTTTGCCTACTTGGGGGAGTTTGGAGAAGACCAGATCTATGAAGCCCACCAACA
AGGCCGAGGGGCTCTGGAGGCATTGCTATGTGGGGGACCCAGGGGGCCTGCTCAGAGAAGGTGTCAGCCACAAGAGAA
GAGCTCTAG
```

#### Transaction Sequence

```
MRLSLPLLLL LLGAWAIPGG LGDRAPLTAT APQLDDEEMY SAHMPAHLRC DACRAVAYQM WQNLAKAETK LHTSNSGRR
ELSELVYTDV LDRSCSRNWQ DYGVREVDQV KRLTGPGLSE GPEPSISVMV TGGPWPTRLS RTCLHYLGEF GEDQIYEAHQ
QGRGALEALL CGGPQGACSE KVSATREEL
```