

## ZNHIT1 cDNA

Catalog Number: ATGD0034

### PRODUCT INFORMATION

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**Catalog number**

ATGD0034

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_006340.1

**Alternative Names**

CG1I, ZNFN4A1

**mRNA Refseq**

NM\_006349.2

**OMIM**

**Chromosome location**

7q22.1

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

465bp

**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**

ZNHIT1 belongs to the ZNHIT1 family and contains 1 HIT-type zinc finger. The protein is induced by DNA damage

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and seems to play role in p53-mediated apoptosis induction. ZNHIT1 interacts with MAPK11 and MAPK14 and is component of the chromatin-remodeling SRCAP complex composed of at least SRCAP, DMAP1, RuVBL1, RuVBL2, ACTL6A, YEATS4, ACTR6 and ZNHIT1.

### DATA

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#### Sequence nucleotides

```
ATGGTGGAGA AGAAACTTC GGTCGCTCC CAGGACCCCG GGCAGCGGCG GGTGCTGGAC CGGGCTGCCC  
GGCAGCGTCG CATCAACCGG CAGCTGGAGG CCCTGGAGAA TGACAACTTC CAGGATGACC CCCACGCGGG  
ACTCCCTCAG CTCGGCAAGA GACTGCCTCA GTTTGATGAC GATGCGGACA CTGGAAAGAA AAAGAAGAAA  
ACCCGAGGTG ATCATTITAA ACTTCGCTTC CGAAAAACT TTCAGGCCCT GTTGGAGGAG CAGAACTTGA  
GTGTGGCCGA GGGCCCTAAC TACCTGACGG CCTGTGCGGG ACCCCCATCG CGGCCCCAGC GCCCCTTCTG  
TGCTGTCTGT GGCTTCCCAT CCCCTACAC CTGTGTCAGC TGCGGTGCCC GGTACTGCAC TGTGCGCTGT  
CTGGGGACCC ACCAGGAGAC CAGGTGTCTG AAGTGGACTG TGTGA
```

#### Transaction Sequence

```
MVEKKTSVRS QDPGQRRVLD RAARQRRINR QLEALENDNF QDDPHAGLPQ LGKRLPQFDD DADTGKKKKK TRGDHFKLRF  
RKNFQALLEE QNLSVAEGPN YLTACAGPPS RPQRPFCAVC GFPSPYTCVS CGARYCTVRC LGTHQETRCL KWTV
```