

## DDIT4 cDNA

Catalog Number: ATGD0169

### PRODUCT INFORMATION

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**Catalog number**

ATGD0169

**Product type**

cDNA

**Species**

Human

**NCBI Accession No.**

NP\_061931.1

**Alternative Names**

Dig2, REDD-1, REDD1

**mRNA Refseq**

NM\_019058.2

**OMIM**

607729

**Chromosome location**

10q22.1

### PRODUCT SPECIFICATION

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**Formulation**

Lyophilized

**Storage**

Store the plasmid at -20C.

**cDNA Size**

699bp

**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**

**DDIT4 cDNA**

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DDIT4 (DNA-Damage-Inducible Transcript 4) is a Protein Coding gene. Diseases associated with DDIT4 include renal cell carcinoma. Among its related pathways are PI3K-Akt signaling pathway and p70S6K Signaling.

**DATA**

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**Sequence nucleotides**

```
ATGCCTAGCCTTTGGGACCGCTTCTCGTCGTTCACCTCCTCTTCGCCCTCGTCCTTGCCCCGAACTCCCACCCAGATC
GGCCGCCGCGCTCAGCCTGGGGGTCGGCGACCCGGGAGGAGGGGTTTGACCGCTCCACGAGCCTGGAGAGCTCGGACTG
CGAGTCCCTGGACAGCAGCAACAGTGGCTTCGGGGCCGGAGGAAGACACGGCTTACCTGGATGGGGTGTCTGTTGCCCGACT
TCGAGCTGCTCAGTGACCCTGAGGATGAACACTTGTGTGCCAACCTGATGCAGCTGCTGCAGGAGAGCCTGGCCAGGCG
CGGCTGGGCTCTCGACGCCCTGCGCGCCTGCTGATGCCTAGCCAGTTGGTAAGCCAGGTGGGCAAAGAACTACTGCGCCT
GGCCTACAGCGAGCCGTGCGGCCTGCGGGGGGCGCTGCTGGACGTCTGCGTGGAGCAGGGCAAGAGCTGCCACAGCGTG
GGCCAGCTGGCACTCGACCCAGCCTGGTGCCACCTTCCAGCTGACCCTCGTGTGCGCCTGGACTCACGACTCTGGCCC
AAGATCCAGGGGCTGTTTAGCTCCGCCAACTCTCCCTTCTCCCTGGCTTCAGCCAGTCCCTGACGCTGAGCACTGGCTTCC
GAGTCATCAAGAAGAAGCTGTACAGCTCGGAACAGCTGCTCATTGAGGAGTGTGA
```

**Transaction Sequence**

```
MPSLWDRFSS SSTSPPSSL PRTPTPDRPP RSAWGSATRE EGFDRSTSLE SSDCESLDSS NSGFGPEEDT AYLDGVSLPD
FELSDPEDE HLCANLMQLL QESLAQARLG SRRPARLLMP SQLVSQVGKE LLRLAYSEPC GLRGALLDVC VEQKGSCHSV
GQLALDPSLV PTFQLTLVLR LDSRLWPQIQ GLFSSANSPF LPGFSQSLTL STGFRVIKKK LYSSEQLLIE EC
```