

DDIT4 cDNA

Catalog Number: ATGD0169

PRODUCT INFORMATION

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

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

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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

Sequence nucleotides

```
ATGCCTAGCCTTTGGGACCGCTTCTCGTCGTCCACCTCCTCTTCGCCCTCGTCCTTGCCCCGAACTCCCACCCAGATC
GGCCGCCGCGCTCAGCCTGGGGGTCGGCGACCCGGGAGGAGGGGTTTGACCGCTCCACGAGCCTGGAGAGCTCGGACTG
CGAGTCCCTGGACAGCAGCAACAGTGGCTTCGGGGCCGGAGGAAGACACGGCTTACCTGGATGGGGTGTCTGTTGCCCGACT
TCGAGCTGCTCAGTGACCCTGAGGATGAACACTTGTGTGCCAACCTGATGCAGCTGCTGCAGGAGAGCCTGGCCAGGCG
CGGCTGGGCTCTCGACGCCCTGCGCGCCTGCTGATGCCTAGCCAGTTGGTAAGCCAGGTGGGCAAAGAAGCTACTGCGCCT
GGCCTACAGCGAGCCGTGCGGCCTGCGGGGGGCGCTGCTGGACGTCTGCGTGGAGCAGGGCAAGAGCTGCCACAGCGTG
GGCCAGCTGGCACTCGACCCAGCCTGGTGCCACCTTCCAGCTGACCCTCGTGTGCGCCTGGACTCACGACTCTGGCCC
AAGATCCAGGGGCTGTTTAGCTCCGCCAACTCTCCCTTCTCCCTGGCTTCAGCCAGTCCCTGACGCTGAGCACTGGCTTCC
GAGTCATCAAGAAGAAGCTGTACAGCTCGGAACAGCTGCTCATTGAGGAGTGTGA
```

Transaction Sequence

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