

KCTD5 cDNA

Catalog Number: ATGD0316

PRODUCT INFORMATION

Catalog number

ATGD0316

Product type

cDNA

Species

Human

NCBI Accession No.

NP_061865.1

Alternative Names

mRNA Refseq

NM_018992.3

OMIM

611285

Chromosome location

16p13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

705bp

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

KCTD5 is a 234 amino acid protein that localizes predominantly in the cytoplasm but translocates to the nucleus

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upon interaction with REP proteins. The expression of KCTD5 was upregulated post-transcriptionally in peripheral blood lymphocytes stimulated through the T-cell receptor. KCTD5 interacted specifically with cullin3, bound ubiquitinated proteins, and formed oligomers through its BTB domain.

DATA**Sequence nucleotides**

```
ATGGCGGAGAATCACTGCGAGCTCCTGTCGCCGGCCCGGGGCGGCATCGGGGCGGGGCTGGGGGGCGGCCTGTGCCGC
CGCTGCAGCGCTGGGCTCGGGGCCCTGGCCCAGCGCCCTGGCAGCGTGTCCAAGTGGGTCCGACTCAACGTCGGCGGCA
CCTACTTCCTCACCCTCGGCAGACCCTGTGCCGGGACCCGAAATCCTTCTGTACCGCTTATGCCAGGCCGATCCCGACCT
GGACTCAGACAAGGATGAAACAGGCGCCTATTTAATCGACAGAGACCCACCTACTTTGGGCCTGTGCTGAACTACCTGAG
ACACGGCAAGCTGGTGATTAACAAAGACCTCGCGGAGGAAGGAGTGTTGGAGGAAGCAGAATTTTACAATATCACCTCATT
AATAAACTTGTAAGGACAAAATTAGAGAACGAGACAGCAAACATCGCAGGTGCCTGTGAAGCATGTGTACCGTGTGCT
GCAGTGCCAGGAGGAGGAGCTCACGCAGATGGTGTCCACCATGTCCGACGGCTGGAAGTTCGAGCAGTTGGTCAGCATCG
GCTCCTTTACAACACTATGGGAACGAAGACCAAGCCGAGTTCCTCTGTGTGGTGTCCAAGGAGCTGCACAACACCCCGTACG
GTACGGCCAGCGAGCCAGCGAGAAGGCCAAGATTTTGCAAGAACGAGGCTCAAGGATGTGA
```

Transaction Sequence

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MAENHCELLS PARGGIGAGL GGGLCRRCSA GLGALAQRPG SVSKWVRLNV GGTYFLTRQTLCRDPKSFL YRLCQADPDL
DSDKDETAY LIDRDPTYFG PVLNYLRHGK LVINKDLAEEGVLEEAFFYN ITSLIKLVKD KIRERDSKTS QVPVKHVYRV
LQCQEEELTQ MVSTMSDGWKFEQLVLSIGSS YNYGNEDQAE FLCVVSKEFH NTPYGTASEP SEKAKILQER GSRM
```