

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

```
ATGGCGGAGAATCACTGCGAGCTCCTGTCGCCGGCCCCGGGGCGGCATCGGGGCGGGGCTGGGGGGCGGCCTGTGCCGC  
CGCTGCAGCGCTGGGCTCGGGGCCCTGGCCCAGCGCCCTGGCAGCGTGTCCAAGTGGGTCCGACTCAACGTCGGCGGCA  
CCTACTTCCTCACCCTCGGCAGACCCTGTGCCGGGACCCGAAATCCTTCTGTACCGCTTATGCCAGGCCGATCCCCGACCT  
GGACTCAGACAAGGATGAAACAGGCGCCTATTTAATCGACAGAGACCCACCTACTTTGGGCCTGTGCTGAACTACCTGAG  
ACACGGCAAGCTGGTGATTAACAAAGACCTCGCGGAGGAAGGAGTGTTGGAGGAAGCAGAATTTTACAATATCACCTCATT  
AATAAACTTGTAAGGACAAAATTAGAGAACGAGACAGCAAACATCGCAGGTGCCTGTGAAGCATGTGTACCGTGTGCT  
GCAGTGCCAGGAGGAGGAGCTCACGCAGATGGTGTCCACCATGTCCGACGGCTGGAAGTTCGAGCAGTTGGTCAGCATCG  
GCTCCTTTACAACACTATGGGAACGAAGACCAAGCCGAGTTCCTCTGTGTGGTGTCCAAGGAGCTGCACAACACCCCGTACG  
GTACGGCCAGCGAGCCCAGCGAGAAGGCCAAGATTTTGCAAGAACGAGGCTCAAGGATGTGA
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Transaction Sequence

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