

CETN3 cDNA

Catalog Number: ATGD0119

PRODUCT INFORMATION

Catalog number

ATGD0119

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004356.2

Alternative Names

CDC31, CEN3

mRNA Refseq

NM_004365.3

OMIM

602907

Chromosome location

5q14.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

504bp

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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CETN3 encoded by this gene contains four EF-hand calcium binding domains, and is a member of the centrin protein family. Centrin proteins are evolutionarily conserved proteins similar to the CDC31 protein of *S. cerevisiae*. Yeast CDC31 is located at the centrosome of interphase and mitotic cells, where it plays a fundamental role in centrosome duplication and separation. Multiple forms of the proteins similar to the yeast centrin have been identified in human and other mammalian cells, some of which have been shown to be associated with centrosome fractions. This protein appears to be one of the most abundant centrin proteins associated with centrosome, which suggests a similar function to its yeast counterpart. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.

DATA

Sequence nucleotides

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ATGAGTTTAG CTCTGAGAAG TGAGCTTGTA GTGGACAAAA CAAAGAGGAA AAAAAGAAGA GAACTGTCTG
AGGAACAGAA ACAAGAAATT AAAGATGCTT TTGAACTATT TGATACAGAC AAAGATGAAG CAATAGATTA
TCATGAATTA AAGGTGGCAA TGAGAGCCTT GGGGTTTGAT GTAAAAAAG CTGATGTACT GAAGATTCTT
AAAGATTATG ACAGAGAAGC CACAGGGAAA ATCACCTTTG AAGATTTTAA TGAAGTTGTG ACAGACTGGA
TATTGGAAAG AGATCCCCAT GAAGAAATAC TCAAGGCATT TAACTATTTT GATGATGATG ATTCAGGTAA
AATAAGCTTG AGGAATTTGC GACGTGTTGC TAGAGAATTG GGTGAAAACA TGAGTGATGA AGAACTTCGA
GCTATGATAG AAGAATTTGA CAAAGATGGT GATGGAGAAA TAAACCAAGA GGAGTTCATT GCTATTATGA
CTGGTGACAT TAA
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Transaction Sequence

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MSLALRSELV VDKTKRKKRR ELSEEQKQEI KDAFELFDTD KDEAIDYHEL KVAMRALGFD VKKADVLKIL KDYDREATGK
ITFEDFNEVV TDWILERDPH EEILKAFKLF DDDDSGKISL RNLRRVAREL GENMSDEELR AMIEEFDKDG DGEINQEEFI
AIMTGD
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