

CDCA8 cDNA

Catalog Number: ATGD0146

PRODUCT INFORMATION

Catalog number

ATGD0146

Product type

cDNA

Species

Human

NCBI Accession No.

NP_060571.1

Alternative Names

BOR, BOREALIN, DasraB, MESRGP

mRNA Refseq

NM_018101.3

OMIM

609977

Chromosome location

1p34.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

843bp

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 Nde 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

CDCA8 cDNA

Catalog Number: ATGD0146

CDCA8 encodes a component of the chromosomal passenger complex. CDCA8 complex is an essential regulator of mitosis and cell division. CDCA8 is cell-cycle regulated and is required for chromatin-induced microtubule stabilization and spindle formation. Alternate splicing results in multiple transcript variants. Pseudogenes of CDCA8 are found on chromosomes 7, 8 and 16.

DATA

Sequence nucleotides

```
ATGGCTCCTAGGAAGGGCAGTAGTCGGGTGGCCAAGACCAACTCCTTACGGAGGCGGAAGCTCGCCTCCTTTCTGAAAGA
CTTCGACCGTGAAGTGGAAATACGAATCAAGCAAATTGAGTCAGACAGGCAGAACCTCCTCAAGGAGGTGGATAACCTCTA
CAACATCGAGATCCTGCGGCTCCCCAAGGCTCTGCGCGAGATGAACTGGCTTGACTACTTCGCCCTTGGAGGAAACAAACA
GGCCCTGGAAGAGGCGGCAACAGCTGACCTGGATATCACCGAAATAAACAACACTAACAGCAGAAGCTATTTCAGACACCCCT
GAAATCTGCCAAAACACGAAAGGTAATACAGGTAGATGAAATGATAGTGGAAGAGGAAGAAGAAGAAGAAAATGAACGTAA
GAATCTTCAAACACTGCAAGAGTCAAAGGTGTCCTCCATCCAAGAAGAGAACTCAGTCCATACAAGGAAAAGGAAAAGGGAA
AAGGTCAAGCCGTGCTAACACTGTTACCCAGCCGTGGGCGGATTGGAGGTGTCCATGGTCAAACCAACTCCAGGCCTGAC
ACCCAGGTTTGACTCAAGGGTCTTCAAGACCCCTGGCCTGCGTACTCCAGCAGCAGGAGAGCGGATTTACAACATCTCAGG
GAATGGCAGCCCTCTTGCTGACAGCAAAGAGATCTTCCTCACTGTGCCAGTGGGCGGCGGAGAGAGCCTGCGATTATTGGC
CAGTGACTTGCAGAGGCACAGTATTGCCAGCTGGATCCAGAGGCCTTGGGAAACATTAAGAAGCTCTCCAACCGTCTCGC
CAAATCTGCAGCAGCATAACGGACCCACAAATGA
```

Transaction Sequence

```
MAPRKGSSRV AKTNSLRRRK LASFLKDFDR EVEIRIKQIE SDRQNLLKEV DNLYNIEILRLPKALREMNW LDYFALGGNK
QALEEAATAD LDITEINKLT AEAIQTPLKS AKTRKVIQVDEMIVEEEEE ENERKNLQTA RVKRCPPSKK RTQSIQGGK
GKRSSRANTV TPAVGRLEVSMVKPTPGLTP RFDSRVFKTP GLRTPAAGER IYNISGNGSP LADSKEIFLT
VPVGGGESLRLASDLQRHS IAQLDPEALG NIKKLSNRLA QICSSIRTHK
```