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

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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. Pseudgenes of CDCA8 are found on chromosomes 7, 8 and 16.

DATA

Sequence nucleotides

ATGGCTCCTAGGAAGGGCAGTAGTCGGGTGGCCAAGACCAACTCCTTACGGAGGCGGAAGCTCGCCTCCTTTCTGAAAGA
CTTCGACCGTGAAGTGGAAATACGAATCAAGCAAATTGAGTCAGACAGGCAGAACCTCCTCAAGGAGGTGGATAACCTCTA
CAACATCGAGATCCTGCGGCTCCCCAAGGCTCTGCGCGAGATGAACTGGCTTGACTACTTCGCCCTTGGAGGAAACAAACA
GGCCCTGGAAGAGGCGGCAACAGCTGACCTGGATATCACCGAAATAAACAAACTAACAGCAGAAGCTATTCAGACACCCCT
GAAATCTGCCAAAACACGAAAGGTAATACAGGTAGATGAAATGATAGTGGAAGAGGAAGAAGAAGAAGAAAATGAACGTAA
GAATCTTCAAACTGCAAGAGTCAAAAGGTGTCCTCCATCCAAGAAGAGAACTCAGTCCATACAAGGAAAAGGAAAAGGGAA
AAGGTCAAGCCGTGCTAACACTGTTACCCCAGCCGTGGGCCGATTGGAGGTGTCCATGGTCAAACCAACTCCAGGCCTGAC
ACCCAGGTTTGACTCAAGGGTCTTCAAGACCCCTGGCCTGCGTACTCCAGCAGCAGGAGAGCGGATTTACAACATCTCAGG
GAATGGCAGCCCTCTTGCTGACAGCAAAGAGATCTTCCTCACTGTGCCAGTGGGCGGCGGAGAGAGCCTGCGATTATTGGC
CAGTGACTTGCAGAGGCACAGTATTGCCCAGCTGGATCCAGAGGCCTTGGGAAACATTAAGAAGCTCTCCAACCGTCTCGC
CCAAATCTGCAGCAGCATACGGACCCACAAATGA

Transaction Sequence

MAPRKGSSRV AKTNSLRRRK LASFLKDFDR EVEIRIKQIE SDRQNLLKEV DNLYNIEILRLPKALREMNW LDYFALGGNK
QALEEAATAD LDITEINKLT AEAIQTPLKS AKTRKVIQVDEMIVEEEEEE ENERKNLQTA RVKRCPPSKK RTQSIQGKGK
GKRSSRANTV TPAVGRLEVSMVKPTPGLTP RFDSRVFKTP GLRTPAAGER IYNISGNGSP LADSKEIFLT
VPVGGGESLRLLASDLQRHS IAQLDPEALG NIKKLSNRLA QICSSIRTHK