

CDC34 cDNA

Catalog Number: ATGD0073

PRODUCT INFORMATION

Catalog number

ATGD0073

Product type

cDNA

Species

Human

NCBI Accession No.

NP_004350.1

Alternative Names

Cell division cycle 34, Ubiquitin conjugating enzyme, Ubiquitin-conjugating enzyme E2 R1, E2 ubiquitin-conjugating enzyme R1, Ubiquitin-conjugating enzyme E2-32 kDa complementing, Ubiquitin-conjugating enzyme E2-CDC34, Ubiquitin-protein ligase R1, E2-CDC34, UBE2R1, UBC3, UBCH3

mRNA Refseq

NM_004359.1

OMIM

116948

Chromosome location

19p13.3

PRODUCT SPECIFICATION

Formulation

Lyophilized

Storage

Store the plasmid at -20C.

cDNA Size

711bp

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)

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General Description

CDC34 is a member of the ubiquitin-conjugating enzyme family. ubiquitin-conjugating enzyme catalyzes the covalent attachment of ubiquitin to other proteins. This protein is a part of the large multiprotein complex, which is required for ubiquitin-mediated degradation of cell cycle G1 regulators, and for the initiation of DNA replication. CDC34 is thought to be the structural and functional homolog of *Saccharomyces cerevisiae* CDC34, which is essential for the G1 to S phase transition.

DATA

Sequence nucleotides

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ATGGCTCGGC CGCTAGTGCC CAGCTCGCAG AAGGCGCTGC TGCTGGAGCT CAAGGGGCTG CAGGAAGAGC
CGGTTCGAGGG ATTCCGCGTG AACTGGTGG ACGAGGGCGA TCTATACAAC TGGGAGGTGG CCATCTTCGG
GCCCCCAAC ACCTACTACG AGGGCGGCTA CTTCAAGGCG CGCCTCAAGT TCCCATCGA CTACCCATAC
TCTCCACCAG CCTTTCGGTT CCTGACCAAG ATGTGGCACC CTAACATCTA CGAGACGGGG GACGTGTGTA
TCTCCATCCT CCACCCGCCG GTGGACGACC CCCAGAGCGG GGAGCTGCC TCAGAGAGGT GGAACCCAC
GCAGAACGTC AGGACCATTC TCCTGAGTGT GATCTCCCTC CTGAACGAGC CCAACACCTT CTCGCCCCGA
AACGTGGACG CCTCCGTGAT GTACAGGAAG TGGAAAGAGA GCAAGGGGAA GGATCGGGAG TACACAGACA
TCATCCGGAA GCAGGTCCTG GGGACCAAGG TGGACGCGGA GCGTGACGGC GTGAAGGTGC CCACCACGCT
GGCCGAGTAC TGCCTGAAGA CCAAGGCGCC GGCGCCCGAC GAGGGCTCAG ACCTCTTCTA CGACGACTAC
TACGAGGACG GCGAGGTGGA GGAGGAGGCC GACAGCTGCT TCGGGGACGA TGAGGATGAC TCTGGCACGG
AGGAGTCCTG A
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Transaction Sequence

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MARPLVPSSQ KALLLELKGL QEEPVEGFRV TLVDEGDLYN WEVAIFGPPN TTYEGGYFKA RLKFPIDYPY SPPAFRFLTK
MWHPNYETG DVCISILHPP VDDPQSGELP SERWNPTQNV RTILLSVISL LNEPNTFSPA NVDASVMYRK WKESKGDRE
YTDIIRKQVL GTKVDAERDG VKVPTTLAEY CVKTKAPAPD EGSDFYDDY YEDGEVEEEA DSCFGDDEDD SGTEES
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