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, Ubiqiutin 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)

For research use only. This product is not intended or approved for human, diagnostics or veterinary use.

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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

ATGGCTCGGC CGCTAGTGCC CAGCTCGCAG AAGGCGCTGC TGCTGGAGCT CAAGGGGCTG CAGGAAGAGC
CGGTCGAGGG ATTCCGCGTG ACACTGGTGG ACGAGGGCGA TCTATACAAC TGGGAGGTGG CCATCTTCGG
GCCCCCCAAC ACCTACTACG AGGGCGGCTA CTTCAAGGCG CGCCTCAAGT TCCCCATCGA CTACCCATAC
TCTCCACCAG CCTTTCGGTT CCTGACCAAG ATGTGGCACC CTAACATCTA CGAGACGGGG GACGTGTGTA
TCTCCATCCT CCACCCGCCG GTGGACGACC CCCAGAGCGG GGAGCTGCCC TCAGAGAGGT GGAACCCCAC
GCAGAACGTC AGGACCATTC TCCTGAGTGT GATCTCCCTC CTGAACGAGC CCAACACCTT CTCGCCCGCA
AACGTGGACG CCTCCGTGAT GTACAGGAAG TGGAAAGAGA GCAAGGGGAA GGATCGGGAG TACACAGACA
TCATCCGGAA GCAGGTCCTG GGGACCAAGG TGGACGCGGA GCGTGACGGC GTGAAGGTGC CCACCACGCT
GGCCGAGTAC TGCGTGAAGA CCAAGGCGCC GGCGCCCGAC GAGGGCTCAG ACCTCTTCTA CGACGACTAC
TACGAGGACG GCGAGGTGGA GGAGGAGGCC GACAGCTGCT TCGGGGACGA TGAGGATGAC TCTGGCACGG
AGGAGTCCTG A

Transaction Sequence

MARPLVPSSQ KALLLELKGL QEEPVEGFRV TLVDEGDLYN WEVAIFGPPN TYYEGGYFKA RLKFPIDYPY SPPAFRFLTK
MWHPNIYETG DVCISILHPP VDDPQSGELP SERWNPTQNV RTILLSVISL LNEPNTFSPA NVDASVMYRK WKESKGKDRE
YTDIIRKQVL GTKVDAERDG VKVPTTLAEY CVKTKAPAPD EGSDLFYDDY YEDGEVEEEA DSCFGDDEDD SGTEES