## 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 ubiquitinconjugating 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 7000 rpm for 1 minute.
2. Carefully open the vial and add 100 ul 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

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 TCTCСATCCT 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

