

Recombinant Human CDC34, His-tagged

Cat. No. CDC34-26224TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human Cdc34 with His tag, 32kDa.
Species	Human
Source	E.coli
ProteinLength	236 amino acids
Description	The protein encoded by this gene 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.
Conjugation	HIS
Molecular Weight	32.000kDa inclusive of tags
Tissue specificity	Expressed in testes during spermatogenesis to regulate repression of cAMP-induced transcription.
Form	Liquid
Purity	>95% by SDS-PAGE

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Storage buffer	pH: 8.00Constituents:1.2% HEPES, 0.292% Sodium chloride, 0.02% DTT
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequence Similarities	Belongs to the ubiquitin-conjugating enzyme family.
GENE INFORMATION	
Gene Name	CDC34 cell division cycle 34 homolog (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	CDC34
Synonyms	CDC34; cell division cycle 34 homolog (<i>S. cerevisiae</i>); cell division cycle 34; ubiquitin-conjugating enzyme E2 R1; E2 CDC34; UBC3; UBE2R1;
Gene ID	997
mRNA Refseq	NM_004359
Protein Refseq	NP_004350
MIM	116948
Uniprot ID	P49427
Chromosome Location	19p13.3
Pathway	Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination & Proteasome degradation, organism-specific biosystem; Class I MHC

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mediated antigen processing & presentation, organism-specific biosystem;

Function

ATP binding; acid-amino acid ligase activity; ligase activity; nucleotide binding; protein binding;

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