

Recombinant Human CDC34, His-tagged

Cat. No. CDC34-791H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human CDC34 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. MW =28.9kDa (256aa), confirmed by MALDI-TOF.
Species	Human
Source	E.coli
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 <i>Saccharomyces cerevisiae</i> CDC34, which is essential for the G1 to S phase transition.
Sequences Of Amino Acids	MGSSHHHHHH SSGLVPRGSH MARPLVPSSQ KALLLELKGL QEEPVEGFRV TLVDEGDLYN WEVAIFGPPN TTYEGGYFKA RLKFPIDYPY SPPAFRFLTK MWHPNIYETG DVCISILHPP VDDPQSGELP SERWNPTQNV RTILLSVISL LNEPNTFSPA NVDASVMYRK WKESKGKDRE YTDIIRKQVL GTKVDAERDG VKVPTTLAEY CVKTKAPAPD EGSDLFYDDY YEDGEVEVEEA DSCFGDDEDD SGTEES
Purity	> 95% by SDS – PAGE.
Form	Liquid. 20mM Tris-HCl buffer (pH8.0) containing 10% glycerol, 1mM DTT, 50mM

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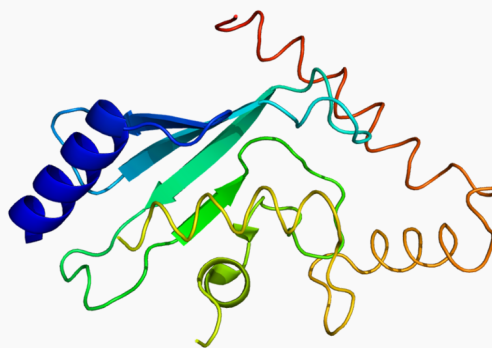
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	NaCl.
Concentration	1mg/ml (determined by Bradford assay).
Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.
GENE INFORMATION	
Gene Name	CDC34 cell division cycle 34 homolog (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Synonyms	CDC34; cell division cycle 34 homolog (<i>S. cerevisiae</i>); UBC3; UBCH3; UBE2R1; E2-CDC34; ubiquitin-conjugating enzyme E2 R1; ubiquitin carrier protein; ubiquitin-protein ligase R1; ubiquitin-conjugating enzyme E2-CDC34; ubiquitin-conjugating enzyme E2-32 KDA complementing; EC 6.3.2.19; cell division cycle 34
Gene ID	997
mRNA Refseq	NM_004359
Protein Refseq	NP_004350
MIM	116948
UniProt ID	P49427
Chromosome Location	19p13.3
Pathway	Ubiquitin mediated proteolysis

Function

ATP binding; ligase activity; nucleotide binding; protein binding; ubiquitin-protein
ligase activity

**PDB rendering based
on 2ob4.**



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