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32-6692: CDC34 Human

Alternative Name : UB2R1, CDC-34, Ubiquitin-conjugating enzyme E2 R1, Ubiquitin-protein ligase R1, Ubiquitin-conjugating enzyme E2-32 kDa complementing, E2-CDC34, CDC34, EC 6.3.2.19, UBC3, UBE2R1.

Description

Source: Escherichia Coli.Â
Sterile Filtered colorless solution.
CDC34 takes part in the control of cell cycle and DNA replication. Cdc34 in association with different E3 complexes, including SCF, targets many different substrates for ubiquitination and degradation during cell division, signal transduction, and development. Cdc34 substrates that have been characterized include B-Myb, Wee1, MyoD, ATF5, p27Xic1, and p27Kip1. Additionally, substrates such as p21Cip1, E2F, cyclin E, and cyclin D are putative substrates of Cdc34 by virtue of their SCF requirement for proteolysis. Cdc34 is self-associate through a domain in the C-terminus, and is phosphorylated and ubiquitinylated in vivo. CDC34is useful for in vitro ubiquitinylation reactions.
Cell Division Cycle 34 Human Recombinant produced in E.Coli is a single, non- glycosylated polypeptide chain containing 236 amino acids and having a molecular mass of 26.7kDa. CDC34 is purified by proprietary chromatographic techniques.

Product Info

Amount :	50 µg / 100 µg
Purification :	Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.
Content :	CDC34 is supplied as a 0.2 µm filtered solution conteining 50mM HEPES, pH 7.0, 10 % Glycerol, 125mM NaCl, , 5 % Trehalose and 1 mM DTT.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MARPLVPSSQ KALLLELKGL QEEPVEGFRV TLVDEGDLYN WEVAIFGPPN TYYEGGYFKA RLKFPIDYPY SPPAFRFLTK MWHPNIYETG DVCISILHPP VDDPQSGELP SERWNPTQNV RTILLSVISL LNEPNTFSPA NVDASVMYRK WKESKGKDRE YTDIIRKQVL GTKVDAERDG VKVPTTLAEY CVKTKAPAPD EGSDLFYDDY YEDGEVEEEA DSCFGDDEDD SGTEES.

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