9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CDC34 Human

Cell Division Cycle 34 Human Recombinant
RCP0360

Product Overview

Name	CDC34 Human
Description	
Cell Division Cycle 34 Human Recombinant	
Accession (Primary)	P49427
Synonyms	
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.	
Introduction	
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.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered colorless solution.	
Formulation	
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.	
Stability	
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.	
Purity	
Greater than 95.0% as determined by: (a) Analysis by RP-HPLC. (b) Analysis by SDS-PAGE.	
Amino acid 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.

Precautions

CDC34 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P49427)