Recombinant Human CDC16 protein, His & T7-tagged

Cat. No. CDC16-1270H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDC16 aa. (Met1~Ser152 (Accession # Q13042) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~Ser152
Description	The protein encoded by this gene functions as a protein ubiquitin ligase and is a component of the multiprotein APC complex. The APC complex is a cyclin degradation system that governs exit from mitosis by targeting cell cycle proteins for degredation by the 26S proteasome. Each component protein of the APC complex is highly conserved among eukaryotic organisms. This protein, and other APC complex proteins, contain a tetratricopeptide repeat (TPR) domain; a protein domain that is often involved in protein-protein interactions and the assembly of multiprotein complexes. Multiple alternatively spliced transcript variants, encoding distinct proteins, have been identified.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21.7kDa.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Purity	>95%
Characteristic	The isoelectric point is 8.6.
Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	CDC16 cell division cycle 16 [Homo sapiens (human)]
Official Symbol	CDC16
Synonyms	CDC16; cell division cycle 16; APC6; CUT9; ANAPC6; CDC16Hs; cell division cycle protein 16 homolog; anaphase-promoting complex, subunit 6; cell division cycle 16 homolog; cyclosome subunit 6

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Gene ID	8881
mRNA Refseq	NM_001078645.2
Protein Refseq	NP_001072113.1
UniProt ID	Q13042

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