

Recombinant Human CDC16 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CDC16-3535H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CDC16 MS Standard C13 and N15-labeled recombinant protein (NP_001072113) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 degradation 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.
Molecular Mass	71.5 kDa
AA Sequence	MNLERLRKRVRQYLDQQYQSALFWADKVASLSREEPQDIYWLAQCCLYLTAQYHR AAHALRSRKLDKLYEACRYLAARCHYAAKEHQALDVLDMEEPINKRLEFEKYLKDES GFKDPSSDWEMSQSSIKSSICLLRGKIYDALDNRTLATYSYKEALKLDVYCFEAFDLL TSHHMLTAQEEKELLESPLSKLCNEEQELLRFLFENKLKKYNKPSETVIPESVDGLQ

 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

ENLDVVVSLAERHYNCDFKMCYKLTSVMEKDPFHASCLPVHIGTLVELNKANELF
 YLSHKLVDLYPSNPVSWFAVGCYYLMVGHKNEHARRYLSKATTLEKTYGPAWIAYG
 HSFAVESEHDQAMAAYFTAAQLMKGCHLPMLYIGLEYGLTNNSKLAERFFSQALSIA
 PEDPFVMHEVGVVAFQNGEWKTAEKWFLDALEKIKAIAGNEVTVDKWEPLNNLGHV
 CRKLKKYAEALDYHRQALVLIPQNASTYSAIGYIHSLMGNFENAVDYFHTALGLRRD
 DTFSVTMLGHCIEMYIGDSEAYIGADIKDKLKCYDFDVHTMKTCLKNIISPPWDFREFE
 VEKQTAEETGLTPLETSRKTPDSRPSLEETFEIEMNESDMMLETSMDSHSTTRTRPL
 EQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CDC16 cell division cycle 16 [Homo sapiens (human)]

Official Symbol CDC16

Synonyms CDC16; cell division cycle 16 homolog (S. cerevisiae); CDC16 (cell division cycle 16, S. cerevisiae, homolog), CDC16 cell division cycle 16 homolog (S. cerevisiae); cell division cycle protein 16 homolog; ANAPC6; anaphase promoting complex; subunit 6; APC6; CUT9; CDC16Hs; cyclosome subunit 6; anaphase-promoting complex subunit 6; anaphase-promoting complex, subunit 6;

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Gene ID	8881
mRNA Refseq	NM_001078645
Protein Refseq	NP_001072113
MIM	603461
UniProt ID	Q13042
SDS-PAGE	