# Human CDC16 Knockdown Cell Lysate

**Cat. No.** CDC16-332HKCL **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | WB-validated CDC16 Knockdown HeLa Cell Lysate |
| **Species** | Human |
| **Source** | HeLa |
| **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** | Cell-Tissue Lysis buffer |
| **Molecular Mass** | 72 kDa |
| **Notes** | Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins. |

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| **Storage** | Store at -20 centigrade for two years. |
| **Concentration** | Lot-specific |
| **Shipping** | Blue Ice |
| **Components** | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg CDC16 KD HeLa cell lysate |
| **Protein Families** | Druggable Genome |
| **Protein Pathways** | Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis |
| **Lysate QC** | RT-qPCR; Western Blotting (WB) |

## GENE INFORMATION

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| **Gene Name** | CDC16 cell division cycle 16 homolog (S. cerevisiae) [ 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; |
| **Gene ID** | 8881 |
| **mRNA Refseq** | NM_001078645 |

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| **Protein Refseq** | NP_001072113 |
| **MIM** | 603461 |
| **UniProt ID** | Q13042 |

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