

## Human CDC25C Knockdown Cell Lysate

Cat. No. CDC25C-099HKCL Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	WB-validated CDC25C Knockdown HeLa Cell Lysate
<b>Species</b>	Human
<b>Source</b>	HeLa
<b>Description</b>	This gene encodes a conserved protein that plays a key role in the regulation of cell division. The encoded protein directs dephosphorylation of cyclin B-bound CDC2 and triggers entry into mitosis. It also suppresses p53-induced growth arrest. Multiple alternatively spliced transcript variants of this gene have been described.
<b>Form</b>	Cell-Tissue Lysis buffer
<b>Molecular Mass</b>	53 kDa
<b>Notes</b>	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.
<b>Storage</b>	Store at -20 centigrade for two years.
<b>Concentration</b>	Lot-specific
<b>Shipping</b>	Blue Ice

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<b>Components</b>	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg CDC25C KD HeLa cell lysate
<b>Protein Families</b>	Druggable Genome, Phosphatase, Stem cell - Pluripotency
<b>Protein Pathways</b>	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation
<b>Lysate QC</b>	RT-qPCR; Western Blotting (WB)

## GENE INFORMATION

<b>Gene Name</b>	CDC25C cell division cycle 25 homolog C ( <i>S. pombe</i> ) [ <i>Homo sapiens</i> (human) ]
<b>Official Symbol</b>	CDC25C
<b>Synonyms</b>	CDC25C; cell division cycle 25 homolog C ( <i>S. pombe</i> ); CDC25, cell division cycle 25 homolog C ( <i>S. cerevisiae</i> ), cell division cycle 25C; M-phase inducer phosphatase 3; PPP1R60; protein phosphatase 1; regulatory subunit 60; mitosis inducer CDC25; cell division cycle 25C; phosphotyrosine phosphatase; dual specificity phosphatase CDC25C; protein phosphatase 1, regulatory subunit 60; CDC25;
<b>Gene ID</b>	995
<b>mRNA Refseq</b>	NM_001790
<b>Protein Refseq</b>	NP_001781
<b>MIM</b>	157680
<b>UniProt ID</b>	P30307

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