

Human PRKDC Knockdown Cell Lysate

Cat. No. PRKDC-280HKCL Lot. No. (See product label)

SPECIFICATION

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| Product Overview | WB-validated PRKDC Knockdown HeLa Cell Lysate |
| Species | Human |
| Source | HeLa |
| Description | This gene encodes the catalytic subunit of the DNA-dependent protein kinase (DNA-PK). It functions with the Ku70/Ku80 heterodimer protein in DNA double strand break repair and recombination. The protein encoded is a member of the PI3/PI4-kinase family. |
| Form | Cell-Tissue Lysis buffer |
| Molecular Mass | 469 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. |
| Storage | Store at -20 centigrade for two years. |
| Concentration | Lot-specific |
| Shipping | Blue Ice |

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|-------------------------|---|
| Components | 1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg PRKDC KD HeLa cell lysate |
| Protein Families | Druggable Genome, Protein Kinase |
| Protein Pathways | Cell cycle, Non-homologous end-joining |
| Lysate QC | RT-qPCR; Western Blotting (WB) |

GENE INFORMATION

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|------------------------|--|
| Gene Name | PRKDC protein kinase, DNA-activated, catalytic polypeptide [Homo sapiens (human)] |
| Official Symbol | PRKDC |
| Synonyms | PRKDC; protein kinase, DNA-activated, catalytic polypeptide; HYRC, HYRC1; DNA-dependent protein kinase catalytic subunit; DNA PKcs; DNAPK; DNPK1; p350; XRCC7; p460; DNA-PK catalytic subunit; hyper-radiosensitivity of murine scid mutation, complementing 1; HYRC; HYRC1; DNA-PKcs; |
| Gene ID | 5591 |
| mRNA Refseq | NM_001081640 |
| Protein Refseq | NP_001075109 |
| MIM | 600899 |
| UniProt ID | P78527 |

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