

Human PRKDC Knockdown Cell Lysate

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

SPECIFICATION

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	
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; DNP1; 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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