

## Recombinant Human PRKDC protein, His-tagged

Cat. No. PRKDC-3252H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PRKDC protein(3979-4128 aa), fused to His tag, was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	3979-4128 aa
<b>Form</b>	The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
<b>AA Sequence</b>	LMYSIMVHALRAFRSDPGLLTNTMDVVFVKEPSFDWKNFEQKMLKKGGSWIQEINVA EKNWYPRQKICYAKRKLAPANPAVITCDELLLGHEKAPAFRDYVAVARGSKDHNIRA QEPESGLSEETQVKCLMDQATDPNILGRTWEGWEPWM
<b>Purity</b>	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
<b>Storage</b>	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
<b>Reconstitution</b>	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.

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Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.

## GENE INFORMATION

<b>Gene Name</b>	PRKDC protein kinase, DNA-activated, catalytic polypeptide [ Homo sapiens ]
<b>Official Symbol</b>	PRKDC
<b>Synonyms</b>	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;
<b>Gene ID</b>	5591
<b>mRNA Refseq</b>	NM_001081640
<b>Protein Refseq</b>	NP_001075109
<b>MIM</b>	600899
<b>UniProt ID</b>	P78527

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