

Recombinant Human PRKDC protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human PRKDC protein(3979-4128 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	3979-4128 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	LMYSIMVHALRAFRSDPGLLTNTMDVFVKEPSFDWKNFEQKMLKKGGSWIQEINVA EKNWYPRQKICYAKRKLAPANPAVITCDELLLGHEKAPAFRDYVAVARGSKDHNIRA QEPESGLSEETQVKCLMDQATDPNILGRTWEGWEPWM
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	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.
Reconstitution	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

Gene Name	PRKDC protein kinase, DNA-activated, catalytic polypeptide [Homo sapiens]
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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