

Recombinant Dictyostelium Discoideum DNAPKCS Protein (3910-4250 aa), His-Myc-tagged

Cat. No. DNAPKCS-2554D **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Dictyostelium Discoideum (Slime mold) DNAPKCS Protein (3910-4250 aa) is produced by E. coli expression system. This protein is fused with a 10xHis tag at the N-terminal and a Myc tag at the C-terminal. Protein Description: Partial.
Species	Dictyostelium Discoideum
Source	E.coli
ProteinLength	3910-4250 aa
Description	Serine/threonine-protein kinase that acts as a molecular sensor for DNA damage. Is recruited to DNA ends by the Ku70/Ku80 heterodimer and is involved in DNA non-homologous end joining (NHEJ) required for double-strand break (DSB) repair and V(D)J recombination. This activity is only apparent when DNA damage is administered in G1 phase of the cell cycle. Required for efficient signaling of DNA double-stranded breaks via phosphorylation of H2AX during G1.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	46.1 kDa
AA Sequence	ELDYPFLIKGGEDLRDQRIQQFLGIMNEILKRDTACNKRSLNVTYQVVPMTSKVGII EWLNDTKPLREILEEQLAHQLKTPRSNVSISKLESTKYHNDWINSFAKYLPNSPVGP LYQQMFIHATRDDCAKKLEKQHSKVPENLLQNGIWSLSSSPESYLFIRNSFARSLAS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

FSVCSYVIGIGDRHLENFLISQRDGRIGIDFGHAFGTATQFLPIPELMPFRLTRQFTS
FLRPLDSVGLLNHNMTYTLTALQNQKEILLTTMDVFVKEPLLDWSKLATRLVKEQGK
HPKDTKNVWFPKQKIQIAKKLELVNPAYITLEELSGSVHSGLPYEKALSE

Purity > 85% as determined by SDS-PAGE.

Notes Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

Storage The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.

Concentration A hardcopy of COA will be sent along with the products. Please refer to it for detailed information.

GENE INFORMATION

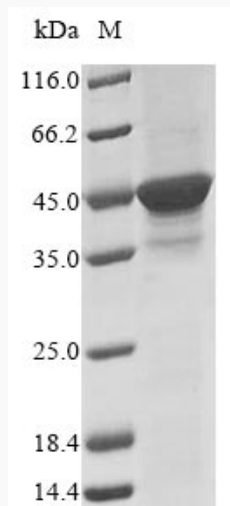
Synonyms dnapkcs;

UniProt ID [Q54UC0](#)

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Tel: 1-631-559-9269 1-516-512-3133

Email: info@creative-biomart.com Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA