

Recombinant Rat Rpa1 Protein, His-tagged

Cat. No. Rpa1-2029R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Rpa1 Protein (Ser486-Ile680) with N-His tag was expressed in E. coli.
Species	Rat
Source	E.coli
ProteinLength	Ser486-Ile680
Description	Enables single-stranded DNA binding activity. Predicted to be involved in several processes, including DNA metabolic process; DNA unwinding involved in DNA replication; and protein localization to chromosome. Predicted to act upstream of or within several processes, including hemopoiesis; homeostasis of number of cells within a tissue; and in utero embryonic development. Part of DNA replication factor A complex. Orthologous to human RPA1 (replication protein A1).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.3 kDa Accurate Molecular Mass: 26 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

 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

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Rpa1 replication protein A1 [<i>Rattus norvegicus</i> (Norway rat)]
Official Symbol	Rpa1
Synonyms	RPA1; replication protein A1; replication protein A 70 kDa DNA-binding subunit; Cb1-727;
Gene ID	287524
mRNA Refseq	NM_001047843
Protein Refseq	NP_001041308
UniProt ID	Q7TP21

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