

Recombinant Human RPA1, His-tagged

Cat. No. RPA1-31145TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 257-616 of Human RPA70 with N terminal His tag; Predicted MWt 42 kDa.
Species	Human
Source	E.coli
ProteinLength	257-616 a.a.
Description	Replication protein A 70 kDa DNA-binding subunit is a protein that in humans is encoded by the RPA1 gene.
Conjugation	HIS
Form	Lyophilised:Reconstitute with 78 µl distilled water.
Storage buffer	Preservative: None Constituents: 0.5% Trehalose, 6M Urea, 100mM Sodium phosphate, 10mM Sodium chloride, pH 4.5
Storage	Shipped at 4°C. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	FSKGTCLKIANKQFTAVKNDYEMTFNNETSVMPCEDDHHLP TVQFDFTGIDDLENKS KDSLVDIIGICKSYEDATKITV RSNNREVAKRNIYLMDTSGKVVTATLWGEDADKFDG SR QPVLAIKGARVSDFGGRSLSVLSSSTIIANPDIPAYK LRGWFDAEGQALDGVSI SDLKSGGVGGSNTNWKTLYEVKS ENLGQGDKPDYFSSVATVVYLRKENCMYQAC

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PTQDCNK KVIDQQNGLYRCEKCDTEFPNFKYRMILSVNIADFQEN QWVTCFQESA
 EAILGQNAAYLGELKDKNEQAFEEVFQN ANFRSFIFRVRVKVETYNDESRIKATVMD
 VKPVDYREYGR RLVMSIRRSALM

GENE INFORMATION

Gene Name RPA1 replication protein A1, 70kDa [Homo sapiens]

Official Symbol RPA1

Synonyms RPA1; replication protein A1, 70kDa; replication protein A1 (70kD); replication protein A 70 kDa DNA-binding subunit; HSSB; REPA1; RF A; RP A; RPA70;

Gene ID 6117

mRNA Refseq NM_002945

Protein Refseq NP_002936

MIM 179835

Uniprot ID P27694

Chromosome Location 17p13.3

Pathway Activation of ATR in response to replication stress, organism-specific biosystem; Activation of the pre-replicative complex, organism-specific biosystem; Assembly of the RAD51-ssDNA nucleoprotein complex, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem;

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Function

DNA binding; metal ion binding; protein binding; single-stranded DNA binding;

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