

Recombinant Human RPA2, His-tagged

Cat. No. RPA2-31146TH Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length Human RPA32/RPA2 with a Nterminal His tag; total protein length 293aa inclusive of tag; predicted molecular weight 31.7 kDa.
Species	Human
Source	E.coli
ProteinLength	270 amino acids
Description	Replication Protein A (RPA) is a single stranded DNA binding protein. Human RPA is a heterotrimeric protein containing subunits of 14, 32 and 70kDa.
Conjugation	HIS
Molecular Weight	31.700kDa inclusive of tags
Form	Liquid
Purity	by SDS-PAGE
Storage buffer	Preservative: 0% None Constituents: 10% Glycerol, 0.1M Sodium chloride, 20mM Tris HCl, 1mM DTT, pH 8.0
Storage	Store at +4°C short term (1-2 weeks). Aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles.

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Sequences of amino acids

MGSSHHHHHSSGLVPRGSHMGSMWNSGFESYGSSSYGGAGGYTQSPGGFGSP
 APSQAEKKSRRARAHIVPCTISQLLSATLVDEVFRIGNVEISQVTIVGIIRHAEKAPTNI
 VYKIDDMTAAAPMDVRQWVDTDDTSSSENTVVPPEYVVKVAGHLRSFQNKKSLVAFKI
 MPLEDMNEFTTHILEVINAHMVLSKANSQPSAGRAPISNPGMSEAGNFGGNSFMPA
 NGLTVAQNQVLNLIKACPRPEGLNFQDLKNQLKHMSVSSIKQAVDFLSNEGHIYSTV
 DDDHFKSTDAE

GENE INFORMATION

Gene Name [RPA2 replication protein A2, 32kDa \[Homo sapiens \]](#)

Official Symbol [RPA2](#)

Synonyms RPA2; replication protein A2, 32kDa; replication protein A2 (32kD); replication protein A 32 kDa subunit;

Gene ID [6118](#)

mRNA Refseq [NM_002946](#)

Protein Refseq [NP_002937](#)

MIM [179836](#)

Uniprot ID [P15927](#)

Chromosome Location 1p35

Pathway Activation of ATR in response to replication stress, organism-specific biosystem;
 Activation of the pre-replicative complex, organism-specific biosystem; Assembly of

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the RAD51-ssDNA nucleoprotein complex, organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem;

Function

DNA binding; nucleic acid binding; protein N-terminus binding; protein binding; protein phosphatase binding;

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