

Recombinant Human RPA2 protein, T7-tagged

Cat. No. RPA2-176H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human RPA2 (270aa) fused with T7 Tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	270 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, Sucrose and DTT.
AA Sequence	MASMTGGQQMGRGEFMWNSGFESYGSSSYGGAGGYTQSPGGFGSPAPSQAEEKK SRARAHIVPCTISQLLSATLV DEVFRIGNVEISQVTIVGIIRHAEKAPTNIYKIDDMT AAPMDVRQWVDTDDTSSSENTVPPETVYVKVAGHLRSF QNKKSLVAFKIMPLEDMN EFTTHILEVINAHMVLSKANSQPSAGRAPISNPGMSEAGNFGGNSFMPANGLTVAQ N QVLNLIKACPRPEGLNFQDLKNQLKHMSVSSIKQAVDFLSNEGHIYSTVDDDHFKS TDAE
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro DNA replication regulation study with intracellular protein delivery of this protein.2. As soluble/native protein, may be used as enzymatic substrate protein for ubiquitin assay.3. May be used for mapping protein–protein interaction assay development.4. May be used as antigen for specific antibody

 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

development and potential cancer diagnostic development.

Storage

Keep at -80 centigrade for long term storage. Product is stable at 4 centigrade for at least 7 days.

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; RP-A p32; RP-A p34; RF-A protein 2; replication factor A protein 2; replication protein A 34 kDa subunit; REPA2; RPA32;

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

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organism-specific biosystem; Cell Cycle Checkpoints, organism-specific biosystem;
Cell Cycle, Mitotic, organism-specific biosystem; Chromosome Maintenance,
organism-specific biosystem;

Function

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

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