

RPA2 recombinant protein

RPA2, 1-270aa, Human, His tag, E Coli

CATALOG # AAA11801	HOST E Coli	APPLICATIONS SDS-Page
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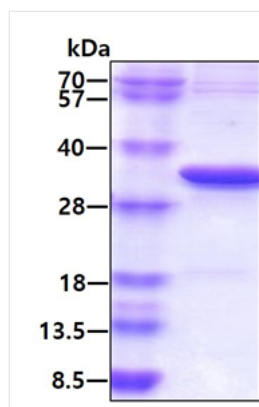
PRODUCT SYNONYMS

RPA2; 1-270aa; Human; His tag; E Coli; Replication protein A 32 kDa subunit; REPA2; RPA32; RP-A p32; RP-A p34; RPA2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Liquid in 20mM Tris-HCl Buffer (pH 8.0) containing 20% glycerol, 0.1M NaCl, 2mM DTT.
Concentration	0.5 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MWNSG FESYGSSSYG GAGGYTQSPG GFGSPAPSQA EKKSRRARQH IVPCTISQLL SATLVDEVFR IGNVEISQVT IVGIIRHAEK APTNIVYKID DMTAAPMDVR QWVDTDDTSS ENTVPPETY VKVAGHLRSF QNKKS LVA FK IMPL EDMNEF TTHILEVINA H MVLSKANSQ PSAGRAPISN PGMSEAGNFG GNSFMPANGL TVAQNQVLNL IKACPRPEGL NFQDLKNQLK HMSVSSIKQA VDFLSNEGHI YSTVDDDHFK STDAE
Sequence Length	270
Applicable Applications for RPA2 recombinant protein	SDS-PAGE
Tag	His-tag
Domain	1-270aa
Preparation and Storage	Can be stored at +2°C to +8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for RPA2 recombinant protein	Replication Protein A (RPA) is a single stranded DNA binding protein. Human RPA is a heterotrimeric protein containing subunits of 14, 32 and 70kDa. This protein complex is highly conserved in eukaryotes and is essential in DNA replication, homologous recombination and nucleotide excision repair. The C-terminus of RPA2 can specifically interact with the DNA repair enzyme uNG2 and repair factors XPA and Rad52, each of which functions in a different repair pathway. In addition, this protein binds specifically to the SH2 domain of Stat3 in vivo, and overexpression of RPA2 corresponds to the augmented growth factor-stimulated tyrosine phosphorylation and transcription activities of Stat3. Recombinant human RPA2 protein, fused to His-tag at N-terminus, was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for RPA2 recombinant protein	Epigenomics
References	Wang M., et al. (2000) Biochemistry. 39 (21):6433-9. ; Mer G., et al. (2000) Cell. 103 (3):449-56.;

NCBI AND UNIPROT INFORMATION

NCBI GI #	4506585
NCBI GeneID	6118
NCBI Accession #	NP_002937
NCBI GenBank Nucleotide #	NM_002946.4
UniProt Accession #	P15927; Q52II0; Q5TEI9; Q5TEJ5
Molecular Weight	31.7 kDa (293aa) confirmed by MALDI-TOF
NCBI Official Full Name	replication protein A 32 kDa subunit isoform 1
NCBI Official Synonym Full Names	replication protein A2
NCBI Official Symbol	RPA2
NCBI Official Synonym Symbols	REPA2; RPA32; RP-A p32; RP-A p34
NCBI Protein Information	replication protein A 32 kDa subunit
UniProt Protein Name	Replication protein A 32 kDa subunit
UniProt Gene Name	RPA2
UniProt Synonym Gene Names	REPA2; RPA32; RPA34; RP-A p32; RF-A protein 2; RP-A p34

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/rpa2-recombinant-protein-e-coli-sds-page/11801>