

Recombinant Human RPA4 293 Cell Lysate

Cat. No. RPA4-2240HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for replication protein A4, 34kDa (RPA4) is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

RPA4 replication protein A4, 30kDa [Homo sapiens]

Official Symbol

RPA4

Synonyms

RPA4; replication protein A4, 30kDa; replication protein A4, 34kDa; replication protein A 30 kDa subunit; HSU24186; RP-A p30; RF-A protein 4; replication factor A protein 4; replication protein A complex 34 kd subunit homolog Rpa4; MGC120333; MGC120334;

Gene ID

29935

mRNA Refseq

NM_013347

Protein Refseq

NP_037479

MIM

300767

UniProt ID

Q13156

Chromosome Location

Xq21

Pathway

Activation of the pre-replicative complex, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; DNA Replication, organism-specific

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biosystem; DNA Replication Pre-Initiation, organism-specific biosystem; DNA replication, organism-specific biosystem;

Function

nucleic acid binding; single-stranded DNA binding;

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