

Recombinant Human POLL 293 Cell Lysate

Cat. No. POLL-3044HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for polymerase (DNA directed), lambda (POLL) 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 POLL polymerase (DNA directed), lambda [Homo sapiens]

Official Symbol POLL

Synonyms POLL; polymerase (DNA directed), lambda; DNA polymerase lambda; DNA polymerase kappa; DNA polymerase beta-2; DNA polymerase beta-N; BETAN; POLKAPPA; FLJ46002;

Gene ID 27343

mRNA Refseq NM_001174084

Protein Refseq NP_001167555

MIM 606343

UniProt ID Q9UGP5

Chromosome Location 10q23

Pathway BER complex, organism-specific biosystem; BER complex, conserved biosystem; Base excision repair, organism-specific biosystem; Base excision repair, conserved biosystem; Non-homologous end-joining, organism-specific biosystem; Non-homologous end-joining, conserved biosystem;

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Function

DNA binding; DNA binding; DNA-directed DNA polymerase activity; DNA-directed DNA polymerase activity; catalytic activity; lyase activity; metal ion binding; nucleotidyltransferase activity; transferase activity;

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