

Recombinant Human POLR1B 293 Cell Lysate

Cat. No. POLR1B-3042HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for polymerase (RNA) I polypeptide B, 128kDa (POLR1B), transcript variant 1 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

POLR1B polymerase (RNA) I polypeptide B, 128kDa [Homo sapiens]

Official Symbol

POLR1B

Synonyms

POLR1B; polymerase (RNA) I polypeptide B, 128kDa; DNA-directed RNA polymerase I subunit RPA2; FLJ10816; FLJ21921; RPA2; Rpo1 2; RNA polymerase I subunit 2; DNA-directed RNA polymerase I 135kDa polypeptide; DNA-directed RNA polymerase I 135 kDa polypeptide; RPA135; Rpo1-2; MGC131780;

Gene ID

84172

mRNA Refseq

NM_001137604

Protein Refseq

NP_001131076

MIM

602000

UniProt ID

Q9H9Y6

Chromosome Location

2q13

Pathway

Eukaryotic Transcription Initiation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolic pathways, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved

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biosystem; Pyrimidine metabolism, organism-specific biosystem; Pyrimidine metabolism, conserved biosystem;

Function

DNA binding; DNA-directed RNA polymerase activity; metal ion binding; nucleotidyltransferase activity; ribonucleoside binding; transferase activity;

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