

Recombinant Human POLR2H 293 Cell Lysate

Cat. No. POLR2H-3031HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for polymerase (RNA) II (DNA directed) polypeptide H (POLR2H) 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

POLR2H polymerase (RNA) II (DNA directed) polypeptide H [Homo sapiens]

Official Symbol

POLR2H

Synonyms

POLR2H; polymerase (RNA) II (DNA directed) polypeptide H; DNA-directed RNA polymerases I, II, and III subunit RPABC3; RPB8; hRPB8; RPB8 homolog; DNA-directed RNA polymerase II subunit H; RNA polymerases I, II, and III subunit ABC3; DNA-directed RNA polymerases I, II, and III 17.1 kDa polypeptide; RPB17; RPABC3; hsRPB8;

Gene ID

5437

mRNA Refseq

NM_006232

Protein Refseq

NP_006223

MIM

606023

UniProt ID

P52434

**Chromosome
Location**

3q28

Pathway

Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic

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DNA-sensing pathway, conserved biosystem; DNA Repair, organism-specific biosystem; Disease, organism-specific biosystem; Dual incision reaction in TC-NER, organism-specific biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem;

Function

DNA-directed RNA polymerase activity; contributes_to protein kinase activity; zinc ion binding;

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