

Recombinant Human POLR1C 293 Cell Lysate

Cat. No. POLR1C-3041HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for polymerase (RNA) I polypeptide C, 30kDa (POLR1C), 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	POLR1C polymerase (RNA) I polypeptide C, 30kDa [Homo sapiens]
Official Symbol	POLR1C
Synonyms	POLR1C; polymerase (RNA) I polypeptide C, 30kDa; DNA-directed RNA polymerases I and III subunit RPAC1; RPA5; RPA39; RPA40; RPAC1; AC40; RPC40; RNA polymerases I and III subunit AC1; DNA-directed RNA polymerase I subunit C; DNA-directed RNA polymerases I and III 40 kDa polypeptide; TCS3; RP3-337H4.4;
Gene ID	9533
mRNA Refseq	NM_203290
Protein Refseq	NP_976035
MIM	610060
UniProt ID	O15160
Chromosome Location	6p21.1
Pathway	Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Gene Expression, organism-specific

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biosystem; Metabolic pathways, organism-specific biosystem; Purine metabolism, organism-specific biosystem; Purine metabolism, conserved biosystem; Pyrimidine metabolism, organism-specific biosystem;

Function

DNA binding; DNA-directed RNA polymerase activity; protein dimerization activity;

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