

Recombinant Human POLR2G 293 Cell Lysate

Cat. No. POLR2G-3032HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for polymerase (RNA) II (DNA directed) polypeptide G (POLR2G) 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

POLR2G polymerase (RNA) II (DNA directed) polypeptide G [Homo sapiens]

Official Symbol

POLR2G

Synonyms

POLR2G; polymerase (RNA) II (DNA directed) polypeptide G; DNA-directed RNA polymerase II subunit RPB7; hRPB19; hsRPB7; RPB7; RNA polymerase II subunit B7; RNA polymerase II 19 kDa subunit; RNA polymerase II seventh subunit; DNA-directed RNA polymerase II subunit G; DNA directed RNA polymerase II 19 kda polypeptide; DNA-directed RNA polymerase II 19 kDa polypeptide; RPB19; MGC138367; MGC138369;

Gene ID

5436

mRNA Refseq

NM_002696

Protein Refseq

NP_002687

MIM

602013

UniProt ID

P62487

Chromosome Location

11q13.1

Pathway

Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific

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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; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem; Formation of HIV-1 elongation complex in the absence of HIV-1 Tat, organism-specific biosystem;

Function

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

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