

Recombinant Human POLR2F 293 Cell Lysate

Cat. No. POLR2F-3033HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for polymerase (RNA) II (DNA directed) polypeptide F (POLR2F) 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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

POLR2F polymerase (RNA) II (DNA directed) polypeptide F [Homo sapiens]

Official Symbol

POLR2F

Synonyms

POLR2F; polymerase (RNA) II (DNA directed) polypeptide F; DNA-directed RNA polymerases I, II, and III subunit RPABC2; DNA directed RNA polymerase II 14.4 kda polypeptide; HRBP14.4; RPB6; RPC15; RPABC14.4; RPB6 homolog; RNA Polymerase II subunit 14.4 kD; DNA-directed RNA polymerase II subunit F; RNA polymerases I, II, and III subunit ABC2; DNA-directed RNA polymerases I, II, and III 14.4 kDa polypeptide; POLRF; RPABC2; RPB14.4;

Gene ID

5435

mRNA Refseq

NM_021974

Protein Refseq

NP_068809

MIM

604414

UniProt ID

P61218

Chromosome Location

22q13.1

Pathway

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

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biosystem; Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic 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 binding; DNA-directed RNA polymerase activity; contributes_to protein kinase activity;

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