

Recombinant Human POLR1E 293 Cell Lysate

Cat. No. POLR1E-3038HCL Lot. No. (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for polymerase (RNA) I polypeptide E, 53kDa (POLR1E) 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

POLR1E polymerase (RNA) I polypeptide E, 53kDa [Homo sapiens]

Official Symbol

POLR1E

Synonyms

POLR1E; polymerase (RNA) I polypeptide E, 53kDa; polymerase (RNA) I associated factor 1 , PRAF1; DNA-directed RNA polymerase I subunit RPA49; FLJ13390; FLJ13970; PAF53; RNA polymerase I associated factor 53; RNA polymerase I subunit A49; RNA polymerase I-associated factor 1; RNA polymerase I-associated factor 53; polymerase (RNA) I associated factor 1; DNA-directed RNA polymerase I subunit E; PRAF1; FLJ43482; RP11-405L18.3;

Gene ID

64425

mRNA Refseq

NM_022490

Protein Refseq

NP_071935

UniProt ID

Q9GZS1

Chromosome Location

9p13.1

Pathway

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

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

Function

DNA binding; DNA-directed RNA polymerase activity;

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