Recombinant Human POLR3H 293 Cell Lysate

Cat. No. POLR3H-3021HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for polymerase (RNA) III (DNA directed) polypeptide H (22.9kD) (POLR3H), 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	POLR3H polymerase (RNA) III (DNA directed) polypeptide H (22.9kD) [Homo sapiens]
Official Symbol	POLR3H
Synonyms	POLR3H; polymerase (RNA) III (DNA directed) polypeptide H (22.9kD); DNA-directed RNA polymerase III subunit RPC8; KIAA1665; RPC8; RNA polymerase III subunit C8; RNA polymerase III subunit RPC8; DNA-directed RNA polymerase III subunit H; RNA nucleotidyltransferase (DNA-directed); RNA polymerase III subunit 22.9 kDa subunit; DNA-directed RNA polymerase III subunit 22.9 kDa polypeptide; RPC22.9; MGC29654; MGC111097;
Gene ID	171568
mRNA Refseq	NM_138338
Protein Refseq	NP_612211
UniProt ID	Q9Y535
Chromosome Location	22q13
Pathway	Cytosolic DNA-sensing pathway, organism-specific biosystem; Cytosolic DNA-sensing pathway, conserved biosystem; Epstein-Barr virus infection, organism-

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	specific biosystem; Epstein-Barr virus infection, conserved biosystem; Eukaryotic Transcription Initiation, organism-specific biosystem; Gene Expression, organism-specific biosystem; Metabolic pathways, organism-specific biosystem;
Function	DNA binding; DNA-directed RNA polymerase activity;

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