Recombinant Human POLR2L 293 Cell Lysate

Cat. No. POLR2L-3027HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa (POLR2L) 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.
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

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	mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	POLR2L polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa [Homo sapiens]
Official Symbol	POLR2L
Synonyms	POLR2L; polymerase (RNA) II (DNA directed) polypeptide L, 7.6kDa; polymerase (RNA) II (DNA directed) polypeptide L (7.6kD); DNA-directed RNA polymerases I, II, and III subunit RPABC5; hRPB7.6; hsRPB10b; RBP10; RPABC5; RPB7.6; RPB10beta; RPB10 homolog; RNA polymerase II 7.6 kDa subunit; DNA-directed RNA polymerase III subunit L; RNA polymerases I, II, and III subunit ABC5; RPB10;
Gene ID	5441
mRNA Refseq	NM_021128
Protein Refseq	NP_066951
MIM	601189
UniProt ID	P62875
Chromosome Location	11p15
Pathway	Abortive elongation of HIV-1 transcript in the absence of Tat, organism-specific 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,

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	organism-specific biosystem; Formation of HIV-1 elongation complex containing HIV-1 Tat, organism-specific biosystem;
Function	DNA binding; DNA-directed RNA polymerase activity; metal ion binding; contributes_to protein kinase activity; zinc ion binding;

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