

Recombinant Human POLM 293 Cell Lysate

Cat. No. POLM-3043HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for polymerase (DNA directed), mu (POLM) 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	POLM polymerase (DNA directed), mu [Homo sapiens]
Official Symbol	POLM
Synonyms	POLM; polymerase (DNA directed), mu; DNA-directed DNA/RNA polymerase mu; Pol iota; Tdt N; DNA polymerase mu; terminal transferase; polymerase (DNA-directed), mu; Tdt-N; Pol Mu; FLJ35482;
Gene ID	27434
mRNA Refseq	NM_013284
Protein Refseq	NP_037416
MIM	606344
UniProt ID	Q9NP87
Chromosome Location	7p13
Pathway	Non-homologous end-joining, organism-specific biosystem; Non-homologous end-joining, conserved biosystem;
Function	DNA binding; DNA nucleotidylexotransferase activity; DNA-directed DNA polymerase

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activity; catalytic activity; metal ion binding; transferase activity;

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