

Recombinant Human PLK3 293 Cell Lysate

Cat. No. PLK3-3103HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for polo-like kinase 3 (Drosophila) (PLK3) 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

PLK3 polo-like kinase 3 [Homo sapiens]

Official Symbol

PLK3

Synonyms

PLK3; polo-like kinase 3; CNK, cytokine inducible kinase , polo like kinase 3 (Drosophila); serine/threonine-protein kinase PLK3; FNK; PRK; PLK-3; FGF-inducible kinase; cytokine-inducible kinase; proliferation-related kinase; cytokine-inducible serine/threonine-protein kinase; CNK;

Gene ID

1263

mRNA Refseq

NM_004073

Protein Refseq

NP_004064

MIM

602913

UniProt ID

Q9H4B4

Chromosome Location

1p34.1

Pathway

Direct p53 effectors, organism-specific biosystem; PLK3 signaling events, organism-specific biosystem; Polo-like kinase signaling events in the cell cycle, organism-specific biosystem; Tuberculosis, organism-specific biosystem; Tuberculosis,

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conserved biosystem;

Function

ATP binding; nucleotide binding; p53 binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine kinase activity;

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