

Recombinant Human PLK2 293 Cell Lysate

Cat. No. PLK2-3104HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for polo-like kinase 2 (Drosophila) (PLK2) 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

PLK2 polo-like kinase 2 [Homo sapiens]

Official Symbol

PLK2

Synonyms

PLK2; polo-like kinase 2; polo like kinase 2 (Drosophila); serine/threonine-protein kinase PLK2; serum inducible kinase; SNK; PLK-2; serum-inducible kinase; serine/threonine-protein kinase SNK; hSNK; hPlk2;

Gene ID

10769

mRNA Refseq

NM_001252226

Protein Refseq

NP_001239155

MIM

607023

UniProt ID

Q9NYY3

Chromosome Location

5q12.1-q13.2

Pathway

PLK2 and PLK4 events, organism-specific biosystem; Polo-like kinase signaling events in the cell cycle, organism-specific biosystem;

Function

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

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activity; signal transducer activity;

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