

Recombinant Human CDK18 293 Cell Lysate

Cat. No. CDK18-7631HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for cyclin-dependent kinase 18 (CDK18), transcript variant 2 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

CDK18 cyclin-dependent kinase 18 [Homo sapiens]

Official Symbol

CDK18

Synonyms

CDK18; cyclin-dependent kinase 18; PCTAIRE protein kinase 3 , PCKT3; PCTAIRE3; PCTAIRE protein kinase 3; PCTAIRE-motif protein kinase 3; cell division protein kinase 18; serine/threonine-protein kinase PCTAIRE-3; PCKT3; PCTAIRE;

Gene ID

5129

mRNA Refseq

NM_002596

Protein Refseq

NP_002587

MIM

169190

UniProt ID

Q07002

Chromosome Location

1q31-q32

Function

ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein serine/threonine kinase activity; signal transducer activity;

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