

Recombinant Human CDK19 293 Cell Lysate

Cat. No. CDK19-7630HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for cyclin-dependent kinase 19 (CDK19) 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

CDK19 cyclin-dependent kinase 19 [Homo sapiens]

Official Symbol

CDK19

Synonyms

CDK19; cyclin-dependent kinase 19; CDC2L6, CDK11, cell division cycle 2 like 6 (CDK8 like) , cyclin dependent kinase (CDC2 like) 11; bA346C16.3; KIAA1028; death-preventing kinase; cyclin-dependent kinase 11; CDC2-related protein kinase 6; cell division protein kinase 19; CDK8-like cyclin-dependent kinase; cyclin-dependent kinase (CDC2-like) 11; cell division cycle 2-like 6 (CDK8-like); cell division cycle 2-like protein kinase 6; CDK11; CDC2L6;

Gene ID

23097

mRNA Refseq

NM_015076

Protein Refseq

NP_055891

UniProt ID

Q9BWU1

Chromosome Location

6q21

Pathway

Developmental Biology, organism-specific biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem;

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PPARA Activates Gene Expression, organism-specific biosystem; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha), organism-specific biosystem; Transcriptional Regulation of White Adipocyte Differentiation, organism-specific biosystem;

Function

ATP binding; cyclin-dependent protein kinase activity; nucleotide binding; protein serine/threonine kinase activity; transferase activity, transferring phosphorus-containing groups;

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