

Recombinant Human CDK19 293 Cell Lysate

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

SPECIFICATION

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.
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

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

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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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