

## Recombinant Human CDK6 293 Cell Lysate

Cat. No. CDK6-7622HCL Lot. No. (See product label)

### SPECIFICATION

<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	Antigen standard for cyclin-dependent kinase 6 (CDK6), transcript variant 1 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.
<b>Components</b>	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).
<b>Size</b>	0.1 mg
<b>Storage Instruction</b>	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.
<b>Applications</b>	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** CDK6 cyclin-dependent kinase 6 [ Homo sapiens ]

**Official Symbol** CDK6

**Synonyms** CDK6; cyclin-dependent kinase 6; PLSTIRE; cell division protein kinase 6; serine/threonine-protein kinase PLSTIRE; MGC59692;

**Gene ID** 1021

**mRNA Refseq** NM\_001145306

**Protein Refseq** NP\_001138778

**MIM** 603368

**UniProt ID** Q00534

**Chromosome Location** 7q21-q22

**Pathway** B Cell Receptor Signaling Pathway, organism-specific biosystem; C-MYB transcription factor network, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, organism-specific biosystem; Cell cycle, conserved biosystem;

**Function** ATP binding; cyclin binding; cyclin-dependent protein kinase activity; nucleotide

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binding; protein binding;

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