

Recombinant Human CLK2 293 Cell Lysate

Cat. No. CLK2-7440HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for CDC-like kinase 2 (CLK2) 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 mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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GENE INFORMATION

Gene Name	CLK2 CDC-like kinase 2 [Homo sapiens]
Official Symbol	CLK2
Synonyms	CLK2; CDC-like kinase 2; dual specificity protein kinase CLK2; clk2; CLK kinase; hCLK2; MGC61500;
Gene ID	1196
mRNA Refseq	NM_003993
Protein Refseq	NP_003984
MIM	602989
UniProt ID	P49760
Chromosome Location	1q21
Pathway	mRNA processing, organism-specific biosystem;
Function	ATP binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; protein serine/threonine/tyrosine kinase activity; protein tyrosine kinase activity;

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