

Recombinant Human CDKN2D 293 Cell Lysate

Cat. No. CDKN2D-7611HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for cyclin-dependent kinase inhibitor 2D (p19, inhibits CDK4) (CDKN2D), 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.
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 [CDKN2D cyclin-dependent kinase inhibitor 2D \(p19, inhibits CDK4\) \[Homo sapiens \]](#)

Official Symbol [CDKN2D](#)

Synonyms [CDKN2D](#); [cyclin-dependent kinase inhibitor 2D \(p19, inhibits CDK4\)](#); [cyclin-dependent kinase 4 inhibitor D](#); [INK4D](#); [p19](#); [CDK inhibitor p19INK4d](#); [inhibitor of cyclin-dependent kinase 4d](#); [cyclin-dependent kinase 4 inhibitor D p19](#); [cell cycle inhibitor, Nur77 associating protein](#); [p19-INK4D](#);

Gene ID [1032](#)

mRNA Refseq [NM_079421](#)

Protein Refseq [NP_524145](#)

MIM [600927](#)

UniProt ID [P55273](#)

Chromosome Location [19p13](#)

Pathway [Cell Cycle, organism-specific biosystem](#); [Cell Cycle, Mitotic, organism-specific biosystem](#); [Cell cycle, organism-specific biosystem](#); [Cell cycle, conserved biosystem](#); [Cyclin D associated events in G1, organism-specific biosystem](#); [G1 Phase, organism-specific biosystem](#); [G1 to S cell cycle control, organism-specific biosystem](#);

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Function

cyclin-dependent protein kinase inhibitor activity; protein kinase binding;

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