

Recombinant Human CDKN2B 293 Cell Lysate

Cat. No. CDKN2B-7613HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4) (CDKN2B), 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.
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 [CDKN2B cyclin-dependent kinase inhibitor 2B \(p15, inhibits CDK4\) \[Homo sapiens \]](#)

Official Symbol [CDKN2B](#)

Synonyms [CDKN2B](#); cyclin-dependent kinase inhibitor 2B (p15, inhibits CDK4); cyclin-dependent kinase 4 inhibitor B; CDK4I; INK4B; MTS2; P15; p15INK4b; TP15; MTS-2; p14-INK4b; p14_INK4B; p15-INK4b; p15_INK4B; CDK4B inhibitor; p14_CDK inhibitor; p15 CDK inhibitor; CDK inhibitory protein; multiple tumor suppressor 2; cyclin-dependent kinases 4 and 6 binding protein;

Gene ID [1030](#)

mRNA Refseq [NM_004936](#)

Protein Refseq [NP_004927](#)

MIM [600431](#)

UniProt ID [P42772](#)

Chromosome Location 9p21

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

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