

Recombinant Human PPM1K 293 Cell Lysate

Cat. No. PPM1K-2957HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 1K (PP2C domain containing) (PPM1K), nuclear gene encoding mitochondrial protein 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.

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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.

GENE INFORMATION

Gene Name PPM1K protein phosphatase, Mg²⁺/Mn²⁺ dependent, 1K [Homo sapiens]

Official Symbol PPM1K

Synonyms PPM1K; protein phosphatase, Mg²⁺/Mn²⁺ dependent, 1K; protein phosphatase 1K (PP2C domain containing); protein phosphatase 1K, mitochondrial; BDP; branched chain α ketoacid dehydrogenase phosphatase; DKFZp761G058; hPTMP; PP2C type mitochondrial phosphoprotein phosphatase; PP2Ckappa; PP2Cm; protein phosphatase 2C kappa; PP2C-kappa; PP2C-like protein; PP2C-like mitochondrial protein; PP2C type mitochondrial phosphatase; protein phosphatase 2C isoform kappa; PP2C domain-containing protein phosphatase 1K; PP2C-type mitochondrial phosphoprotein phosphatase; branched-chain and #945; -ketoacid dehydrogenase phosphatase; PTMP; UG0882E07; DKFZp667B084;

Gene ID 152926

mRNA Refseq NM_152542

Protein Refseq NP_689755

MIM 611065

UniProt ID Q8N3J5

Chromosome 4q22.1

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Location**Function**

hydrolase activity; metal ion binding; protein serine/threonine phosphatase activity;

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