

Recombinant Human PPM1F 293 Cell Lysate

Cat. No. PPM1F-2961HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for protein phosphatase 1F (PP2C domain containing) (PPM1F) 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

PPM1F protein phosphatase, Mg²⁺/Mn²⁺ dependent, 1F [Homo sapiens]

Official Symbol

PPM1F

Synonyms

PPM1F; protein phosphatase, Mg²⁺/Mn²⁺ dependent, 1F; protein phosphatase 1F (PP2C domain containing); protein phosphatase 1F; Ca(2+)/calmodulin dependent protein kinase phosphatase; CAMKP; CaMKPase; FEM 2; KIAA0015; partner of PIX 2; POPX2; PP2C phosphatase; protein fem-2 homolog; CaM-kinase phosphatase; Ca(2+)/calmodulin-dependent protein kinase phosphatase; FEM-2; hFEM-2;

Gene ID

9647

mRNA Refseq

NM_014634

Protein Refseq

NP_055449

UniProt ID

P49593

Chromosome Location

22q11.22

Function

calmodulin-dependent protein phosphatase activity; hydrolase activity; metal ion binding; phosphatase activity; protein binding; protein serine/threonine phosphatase activity; protein serine/threonine phosphatase activity;

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