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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