

Recombinant Human PPM1G 293 Cell Lysate

Cat. No. PPM1G-2960HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform (PPM1G), 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

 Tel: 1-631-559-9269 1-516-512-3133

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	PPM1G protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1G [Homo sapiens]
Official Symbol	PPM1G
Synonyms	PPM1G; protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1G; protein phosphatase 1G (formerly 2C), magnesium dependent, gamma isoform; protein phosphatase 1G; PP2C; gamma; PP2CG; PP2Cgamma; protein phosphatase 2C; gamma isoform; PP2C-gamma; PP2C, gamma; protein phosphatase 1C; protein phosphatase 2C gamma isoform; protein phosphatase 2C isoform gamma; protein phosphatase magnesium-dependent 1 gamma; protein phosphatase 2, catalytic subunit, gamma isoform; protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform; PPP2CG; PP2CGAMMA; MGC1675; MGC2870;
Gene ID	5496
mRNA Refseq	NM_177983
Protein Refseq	NP_817092
MIM	605119
UniProt ID	O15355
Chromosome Location	2p23.3
Pathway	mRNA processing, organism-specific biosystem;

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Function

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

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