

Human PPM1G Knockdown Cell Lysate

Cat. No. PPM1G-274HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated PPM1G Knockdown HeLa Cell Lysate
Species	Human
Source	HeLa
Description	The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase is found to be responsible for the dephosphorylation of Pre-mRNA splicing factors, which is important for the formation of functional spliceosome. Studies of a similar gene in mice suggested a role of this phosphatase in regulating cell cycle progression.
Form	Cell-Tissue Lysis buffer
Molecular Mass	59 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type HeLa cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.
Concentration	Lot-specific

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Shipping	Blue Ice
Components	1 vial of 100 µg WT HeLa cell lysate 1 vial of 100 µg PPM1G KD HeLa cell lysate
Protein Families	Druggable Genome, Phosphatase
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	PPM1G protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent, 1G [Homo sapiens (human)]
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

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