

Recombinant Human PPM1G Protein, GST-tagged

Cat. No. PPM1G-001H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human PP2Cgamma was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.
Species	Human
Source	Insect Cells
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.
Molecular Mass	~105 kDa
Applications	Phosphatase Assay; Western Blot
Stability	One year at -70 centigrade form date of shipment.
Storage	Store product at -70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.
Storage Buffer	Recombinant protein stored in 20mM MOPS, pH7.5, 300mM NaCl, 10mM glutathione,

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0.25mM DTT, 0.1mM PMSF, 0.25% glycerol.

GENE INFORMATION

Gene Name PPM1G protein phosphatase, Mg²⁺/Mn²⁺ dependent 1G [Homo sapiens (human)]

Official Symbol PPM1G

Synonyms PPM1G; protein phosphatase, Mg²⁺/Mn²⁺ dependent 1G; PP2CG; PPP2CG; PP2CGAMMA; protein phosphatase 1G; PP2C-gamma; protein phosphatase 1C; protein phosphatase 1G (formerly 2C), magnesium-dependent, gamma isoform; protein phosphatase 2, catalytic subunit, gamma isoform; protein phosphatase 2C gamma isoform; protein phosphatase 2C isoform gamma; protein phosphatase magnesium-dependent 1 gamma; EC 3.1.3.16

Gene ID 5496

mRNA Refseq NM_177983

Protein Refseq NP_817092

MIM 605119

UniProt ID O15355

Specific Activity The specific activity of PP2C γ was determined to be 2400 nmol/min/mg as per activity assay protocol.

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Purity

The purity of PP2Cy was determined to be >95% by densitometry, approx. MW 105 kDa.

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