

## Recombinant Human PPM1G, His-tagged

Cat. No. PPM1G-31050TH Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment, corresponding to amino acids 25-420 of Human PPM1G fused to His-tag at N-terminus, 27 kDa.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	25-420 a.a.
<b>Description</b>	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.
<b>Conjugation</b>	HIS
<b>Tissue specificity</b>	Widely expressed. Most abundant in testis, skeletal muscle, and heart.
<b>Form</b>	Liquid
<b>Purity</b>	>95% by SDS-PAGE
<b>Storage buffer</b>	Preservative: None Constituents: 20% Glycerol, 25mM Tris, 2mM Beta

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mercaptoethanol, 1mM DTT, 1mM EDTA, pH 7.5

**Storage**

Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

**Sequences of amino acids**

MGSSHHHHHH SSGLVPRGSH MEGKEEPGSD SGTTAVVALI RGKQLIVANA  
 GDSRCVVSEA GKALDMSYDH KPEDEVELAR IKNAGGKVTM DGRVNGGLNL  
 SRAIGDHFYK RNKNLPPEEQ MISALPDIKV LTLTDDHEFM VIACDGIWNV  
 MSSQEVVDFI QSKISQRDEN GELRLLSSIV EELLQCLAP DTSGDGTGCD  
 NMTCIICFK PRNTAELQPE SGKRKLEEV L STEGAEENGN SDKKKKAKRD

**Sequence Similarities**

Belongs to the PP2C family.

## GENE INFORMATION

**Gene Name**

PPM1G protein phosphatase, Mg<sup>2+</sup>/Mn<sup>2+</sup> dependent, 1G [ Homo sapiens ]

**Official Symbol**

PPM1G

**Synonyms**

PPM1G; protein phosphatase, Mg<sup>2+</sup>/Mn<sup>2+</sup> dependent, 1G; protein phosphatase 1G (formerly 2C), magnesium dependent, gamma isoform; protein phosphatase 1G; PP2C; gamma; PP2CG; PP2Cgamma; protein phosphatase 2C; gamma isoform;

**Gene ID**

5496

**mRNA Refseq**

NM\_177983

**Protein Refseq**

NP\_817092

**MIM**

605119

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<b>Uniprot ID</b>	O15355
<b>Chromosome Location</b>	2p23.3
<b>Pathway</b>	mRNA processing, organism-specific biosystem;
<b>Function</b>	hydrolase activity; metal ion binding; protein serine/threonine phosphatase activity;

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