

Recombinant Human PPM1G, His-tagged

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

SPECIFICATION

Product Overview	Recombinant fragment, corresponding to amino acids 25-420 of Human PPM1G fused to His-tag at N-terminus, 27 kDa.
Species	Human
Source	E.coli
ProteinLength	25-420 a.a.
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.
Conjugation	HIS
Tissue specificity	Widely expressed. Most abundant in testis, skeletal muscle, and heart.
Form	Liquid
Purity	>95% by SDS-PAGE
Storage buffer	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 EELLDQCLAP DTSGDGTGCD NMTCIICFK PRNTAELQPE SGKRKLEEV L STEGAEENG N SDKKKKAKRD
Sequence Similarities	Belongs to the PP2C family.
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;
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;
Function	hydrolase activity; metal ion binding; protein serine/threonine phosphatase activity;

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