

# Recombinant Human PPM1G Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPM1G-5767H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	PPM1G MS Standard C13 and N15-labeled recombinant protein (NP_002698) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<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>Molecular Mass</b>	59.3 kDa
<b>AA Sequence</b>	<p>MGAYLSQPNTVKCSGDGVGAPRLPLPYGFSAMQGWRVSMEDAHNCIPELDSETA  MFSVYDGHGGEEVALYCAKYLDPDIKDQKAYKEGKLQKALEDAFLAIDAKLTTEEVIK  ELAQIAGRPTEDEDEKEKVADEDDVDNEEAALLHEEATMTIEELLTRYGQNCHKGPP  HSKSGGGTGEEPGSQGLNGEAGPEDSTRETSPQENGPTAKAYTGFSSNSERGTEA  GQVGEPGIPTGEAGPSCSSASDKLPRVAKSKFFEDSEDESDEAEEDDSEECSEE  EDGYSSEEAEENEDEDDEEAEEDDEEEEEEMMVPGMGEGKEEPGSDSGTTAVVAL  IRGKQLIVANAGDSRCVVSEAGKALDMSYDHKPEDEVELARIKNAGGKVTMDGRVN</p>

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GGLNLSRAIGDHFYKRNKNLPPEEQMISALPDIKVLTLDDEHEFMVIACDGIWNVMS  
 QEVVDFIQSKISQRDENGELRLLSSIVEELLDQCLAPDTSGDGTGCDNMTCIIICFKPR  
 NTAELQPESGKRKLEEVVSTEGAEENGNSDKKKKAKRDTRTRPLEQKLISEEDLAAN  
 DILDYKDDDDKV

**Purity** > 80% as determined by SDS-PAGE and Coomassie blue staining

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

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

**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; 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;

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Gene ID	5496
mRNA Refseq	NM_002707
Protein Refseq	NP_002698
MIM	605119
UniProt ID	O15355

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