

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

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

SPECIFICATION

Product Overview	PPM1G MS Standard C13 and N15-labeled recombinant protein (NP_002698) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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	59.3 kDa
AA Sequence	MGAYLSQPNTVKCSGDGVGAPRLPLPYGFSAMQGWVRVSMEDAHNCIPELDSETA MFSVYDGHGGEEVALYCAKYLDPDIKDQKAYKEGKLQKALEDAFLAIDAKLTTEEVIK ELAQIAGRPTEDEDEKEKVADEDDVDNEEAALLHEEATMTIEELLTRYGQNCHKGPP HSKSGGGTGEEPGSQGLNGEAGPEDSTRETPSQENGPTAKAYTGFSNSERGTEA GQVGEPGIPTGEAGPSCSSASDKLPRVAKSKFFEDSEDESDEAEEDDEEDSEECSEE EDGYSSEEAEENEDEDDTEEAEDDEEEEEEMVPGMEGKEEPGSDSGTTAVVAL IRGKQLIVANAGDSRCVVSEAGKALDMSYDHKPEDEVELARIKNAGGKVTMDGRVN

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GGLNLSRAIGDHFYKRNKNLPPEEQMISALPDIKVLTLTDDHEFMVIACDGIWNVMS
 QEVVDFIQSKISQRDENGELRLLSSIVEELLDQCLAPDTSGDGTGCDNMTCIIICFKPR
 NTAELQPESGKRKLEEVNSTEGAEENGNSDKKKKAKRDTRTRPLEQKLISEEDLAAN
 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, Mg²⁺/Mn²⁺ dependent 1G [Homo sapiens (human)]

Official Symbol PPM1G

Synonyms PPM1G; protein phosphatase, Mg²⁺/Mn²⁺ 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
SDS-PAGE	