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32-2713: PPM1G Recombinant Protein

Alternative Name :	Protein Phosphatase 1G,PP2CG,PPP2CG,MGC1675,MGC2870,PP2C GAMMA,EC 3.1.3.16,Protein phosphatase 2C isoform gamma,PP2C-gamma,Protein phosphatase magnesium-dependent 1 gamma,Protein phosphatase 1C,PPM1G,PPM1C.

Description

Source : Escherichia Coli. PPM1G Human Recombinant fused with His-tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 250 amino acids and having a molecular mass of 27 kDa.The PPM1G is purified by proprietary chromatographic techniques. PPM1G is part of the PP2C family of Ser/Thr protein phosphatases which are known to be negative regulators of cell stress response pathways. PPM1G is accountable for the dephosphorylation of Pre-mRNA splicing factors, an important factor for the formation of functional spliceosome. PPM1G regulates cell cycle progression. PPM1G mediates histone dephosphorylation/exchange in response to DNA damage or checkpoint recovery in higher eukaryotes. The degradation of p21/WAF1 induced by PPM1G is mediated in a proteasome-dependent manner. Protein phosphatase 1G regulates assembly and function of the beta-catenin degradation complex.

Product Info

Amount :	50 µg
Purification :	Greater than 95.0% as determined by(a) Analysis by RP-HPLC.(b) Analysis by SDS-PAGE.
Content :	The PPM1G solution (1mg/ml) contains 25mM Tris pH-7.5, 1mM DTT, 1mM EDTA, 2mM b-ME and 20% glycerol.
Storage condition :	PPM1G although stable 4°C for 4 weeks, should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please prevent freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MEGKEEPGSD SGTTAVVALI RGKQLIVANA GDSRCVVSEA GKALDMSYDH KPEDEVELAR IKNAGGKVTM DGRVNGGLNL SRAIGDHFYK RNKNLPPEEQ MISALPDIKV LTLTDDHEFM VIACDGIWNV MSSQEVVDFI QSKISQRDEN GELRLLSSIV EELLDQCLAP DTSGDGTGCD NMTCIIICFK PRNTAELQPE SGKRKLEEVL STEGAEENGN SDKKKKAKRD.

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