

Human recombinant protein PPM1G
Human Recombinant PPM1G
Catalog # PBV10605r

Specification

Human recombinant protein PPM1G - Product info

Primary Accession	O15355
Concentration	1
Calculated MW	61.4 kDa (566 aa, 1-546 aa + NT His-Tag) KDa

Human recombinant protein PPM1G - Additional Info

Gene ID	5496
Gene Symbol	PPM1G
Other Names	
Protein phosphatase 1G, PP2CG, PPP2CG, MGC1675, MGC2870, PP2CGAMMA.	

Gene Source	Human
Source	E. Coli
Assay&Purity	SDS-PAGE; ≥85%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	>5,000 units/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MGAYLSQPNT VKCSGDGVGA PRLPLPYGFS AMQGWRVSME DAHNCIPELD SETAMFSVYD GHGGEEVALY CAKYLPIIK DQKAYKEGKL QKALEDAFLA IDAKLTTEEVIKELAQIAGR PTEDEDEKEK VADEDDVDNE EAALLHEEAT MTIEELLTRY GQNCHKGPPH SKSGGGTGEE PGSQGLNGEA GPEDSTRETP SQENGPTAKA YTGFSNSER GTEAGQVGEP GIPTGEAGPS CSSASDKLPR VAKSKFFEDS EDESDEAEAE EEDSEECSEE EDGYSSEAE NEEDEDDEE AEEDDEEEEEE EMMVPGMGK EEPGSDSGTT AVVALIRGKQ LIVANAGDSR CVVSEAGKAL DMSYDHKPED EVELARIKNA GGKVTMDGRV NGGLNLSRAI GDHFKRNKN LPPEEQMISA LPDIKVLTLT DDHEFMVIAC DGIWNVMSSQ EVVDFIQSKI SQRDENGELR LLSSIVEELL DQCLAPDTSG DGTGCDNMTI ICFCFKPRNT AELQPESGKR KLEEVLTSTEG AEENGNSDKK KKAKRD

Format
Liquid

Storage
-80°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 20% glycerol, 1 mM DTT, 0.1 M NaCl, and 0.1 mM PMSF.

Human recombinant protein PPM1G - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

Human recombinant protein PPM1G - Images

Human recombinant protein PPM1G - Background

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.

Human recombinant protein PPM1G - References

Travis S.M., et al. FEBS Lett. 412:415-419(1997).
Matsuoka S., et al. Science 316:1160-1166(2007).
Dephoure N., et al. Proc. Natl. Acad. Sci. U.S.A. 105:10762-10767(2008).
Mayya V., et al. Sci. Signal. 2:RA46-RA46(2009).
Choudhary C., et al. Science 325:834-840(2009).