

**PPM1G, 1-546aa, Human, His tag, E.coli**

**Cat.NO.: TP03496**

3th Edition

**Synonyms:**Protein phosphatase 1G, PP2CG, PPP2CG, MGC1675, MGC2870, PP2CGAMMA

**Description:**PPM1G, as known as protein phosphatase 1G, is a member of the PP2C family of Ser/Thr protein phosphatases that is negative regulators of cell stress response pathways. This enzyme localizes to the cytoplasm and is widely expressed, with most abundant expression detected in testis, skeletal muscle and heart. It is necessary for the dephosphorylation of pre-mRNA splicing factors, which is an important process for the formation of the functional spliceosome.

**Form:**Liquid. 20mM Tris-HCl buffer (pH8.0) containing 20% glycerol, 0.1M NaCl , 0.1mM PMSF.

**Molecular Weight:**61.4 kDa (566aa)

**Sequences:**

MGSSHHHHHSSGLVPRGSHMGAYLSQPNTVKCSGDGVGAPRLPLPYGFSAMQGWRVSMEDAHNCIPELDSET  
AMFSVYDGHGGEEVALYCAKYLPIIKDQKAYKEGKLQKALEDAFLAIDAKLTTEEVIKELAQIAGRPTEDEDEKEKV  
ADEDDVDNEEAALLHEEATMTIEELLTRYGQNCHKGPPHSKSGGGTGEEPGSQGLNGEAGPEDSTRETSPSQENG  
PTAKAYTGFSNSERGTAGQVGEPIPTGEAGPSCSSASDKLPRVAKSKFFEDSEDESDEAEEDSEECSEE  
EDGYSSEEAENEDEDDTEEAEDDEEEEEEMMVPMEGKEEPGSDSGTTAVVALIRGKQLIVANAGDSRCVVSE  
AGKALDMSYDHPPEDEVELARIKNAGGKVTMDGRVNGGLNLSRAIGDHFYKRNKNLPPEEQMISALPDIKVLTLD  
DHEFMVIACDGIWNVMSSQEVVDFIQSKISQRDENGELRLLSSIVEELLDQCLAPDTSGDGTGCDNMTCIICFKPRN  
TAEIQPESGKRKLEEVNSTEGAEENGNSDKKKKAKRD

**Purity:**> 95% by HPLC

**Concentration:**1.0 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.