

PPM1G, 317-546 aa, Human, His-tagged, Recombinant, E.coli

Cat.NO.: TP03497

3th Edition

Synonyms:Protein phosphatase 1G, PP2CG, PPP2CG, PP2CGAMMA.

Description:PPM1G (Protein phosphatase 1G) is a member of the PP2C family of Serine/threonine protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. The human Ser/Thr phosphatase PPM1G promotes spliceosome assembly. This phosphatase is found to be responsible for the dephosphorylation of Pre-mRNA splicing factors, which is important for the formation of functional spliceosome.

Form:Liquid. In 25 mM Tris-HCl buffer (pH 7.5) containing 1 mM DTT 2 mM EDTA, 2 mM β -mercaptoethanol, 20% glycerol

Molecular Weight:27 kDa (250 aa), confirmed by MALDI-TOF

Sequences:

MGSSHHHHHSSGLVPRGSHMEGKEEPGSDSGTTAVVALIRGKQLIVANAGDSRCVVSEAGKALDMSYDHPED
EVELARIKNAGGKV/TMDGRVNGGLNLSRAIGDHFYKRKNLPPPEEQMISALPDIKVLTLTDDHEFMVIACDGIWNVM
SSQEVVDFIQSKISQRDENGELRLLSSIVEELLDQCLAPDTSGDGTGCDNMTCIIICFKPRNTAELQPESGKRKLEEV
LSTEGAEENGNSDKKKKAKRD

Purity:> 95% by HPLC

Concentration:1 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.