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Recombinant human PP2C gamma/PPM1G protein

Catalog Number: PPG0801

PRODUCT INFORMATION

Expression system

E.coli

Domain

317-546aa

UniProt No.

015355

NCBI Accession No.

NP 002698

PRODUCT SPECIFICATION

Molecular Weight

27 kDa (250aa) confirmed by MALDI-TOF

Concentration

1mg/ml (determined by Bradford assay)

Formulation

Liquid in. 25mM Tris-HCl buffer (pH 7.5) containing 1mM DTT, 1mM EDTA, 2mM beta-mercaptoethanol, 20% glycerol

Purity

> 90% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

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. Recombinant human PPM1G, fused to His-tag at N-terminus, was expressed in E. coli and purified by conventional chromatography techniques.



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Amino acid Sequence

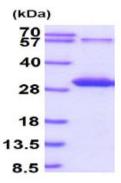
MGSSHHHHHH SSGLVPRGSH MEGKEEPGSD SGTTAVVALI RGKQLIVANA GDSRCVVSEA GKALDMSYDH KPEDEVELAR IKNAGGKVTM DGRVNGGLNL SRAIGDHFYK RNKNLPPEEQ MISALPDIKV LTLTDDHEFM VIACDGIWNV MSSQEVVDFI QSKISQRDEN GELRLLSSIV EELLDQCLAP DTSGDGTGCD NMTCIIICFK PRNTAELQPE SGKRKLEEVL STEGAEENGN SDKKKKAKRD

General References

Marc Flajolet., et al. (2004). Proc. Natl. Acad. Sci. 100(26):16006-11. Suh EJ., et al. (2007). FEBS Lett. 580 (26):6100-4.

DATA

SDS-PAGE



15% SDS-PAGE (3ug)

3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

