

Active Recombinant Full Length Human PPM1G Protein, C-Flag-tagged

Cat. No. PPM1G-560HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PPM1G Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase is found to be responsible for the dephosphorylation of Pre-mRNA splicing factors, which is important for the formation of functional spliceosome. Studies of a similar gene in mice suggested a role of this phosphatase in regulating cell cycle progression.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	In vitro phosphatase assay
Molecular Mass	59.1 kDa
AA Sequence	MGAYLSQPNTVKCSGDGVGAPRLPLPYGFSAMQGWRVSMEDAHNCIPELDSETA MFSVYDGHGGEEVALY CAKYLPDIKDQKAYKEGKLQKALEDAFLAIDAKLTTEEVK ELAQIAGRPTEDEDEKEKVADEDDVDNE EAALLHEEATMTIEELLTRYGQNCHKGP PHSKSGGGTGEEPGSQGLNGEAGPEDSTRETPSQENGPTAKA YTGFSNSERGT

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

EAGQVGEPGIPTGEAGPSCSSASDKLPRVAKSKFFEDSEDESDEAEEDSEECSE
EE EDGYSSEEAENEDEDDTEEAEDDEEEEEEEMMPGMEGKEEPGSDSGTTAV
VALIRGKQLIVANAGDSR CVVSEAGKALDMSYDHPKPEDEVELARIKNAGGKVTMDG
RVNGGLNLSRAIGDHFYKRNKNLPPEEQMISA LPDIKVLTLTDDHEFMVIACDGIWN
VMSSQEVVDFIQSKISQRDENGELRLLSSIVEELLDQCLAPDTSG
DGTGCDNMTCIIICFKPRNTAELQPESGKRKLEEVNSTEGAEENGNSDKKKKAKRDT
RTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Phosphatase
Full Length	Full L.

GENE INFORMATION

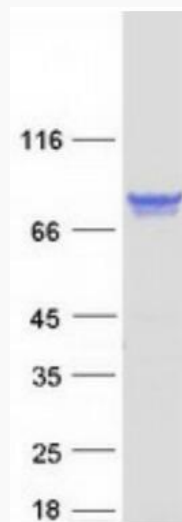
Gene Name	PPM1G protein phosphatase, Mg ²⁺ /Mn ²⁺ dependent 1G [Homo sapiens (human)]
Official Symbol	PPM1G
Synonyms	PP2CG; PPP2CG; PP2CGAMMA

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Gene ID	5496
mRNA Refseq	NM_177983.3
Protein Refseq	NP_817092.1
MIM	605119
UniProt ID	O15355



Coomassie blue staining of purified PPM1G protein.