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Product datasheet for PH300439

PPM1G (NM_002707) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPM1G MS Standard C13 and N15-labeled recombinant protein (NP_002698)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200439
Predicted MW:	59.3 kDa
Protein Sequence:	>RC200439 protein sequence Red=Cloning site Green=Tags(s) MGAYLSQPNTVKCSGDGVGAPRLPLPYGFSAMQGWRVSMEDAHNCIPELDSETAMFSVYDGHGGEEVALY CAKYLPDIIKDQKAYKEGKLQKALEDAFLAIDAKLTTEEVIKELAQIAGRPTEDEDEKEKVADEDDVDNE EAALLHEEATMTIEELLTRYGQNCHKGPPHSKSGGGTGEEPGSQGLNGEAGPEDSTRETPSQENGPTAKA YTGFSSNSERGTEAGQVGEPGIPTGEAGPSCSSASDKLPRVAKSKFFEDSEDESDEAEEEEEDSEECSEE EDGYSSEEAENEEDEDDTEEAEEDDEEEEEEMMVPGMEGKEEPGSDSGTTAVVALIRGKQLIVANAGDSR CVVSEAGKALDMSYDHKPEDEVELARIKNAGGKVTMDGRVNGGLNLSRAIGDHFYKRNKNLPPEEQMISA LPDIKVLTLTDDHEFMVIACDGIWNVMSSQEVVDFIQSKISQRDENGELRLLSSIVEELLDQCLAPDTSG DGTGCDNMTCIIICFKPRNTAELQPESGKRKLEEVLSTEGAEENGNSDKKKKAKRD TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	NP_002698
RefSeq Size:	2302
RefSeq ORF:	1638

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Synonyms: MGC1675; MGC2870; PP2CG; PP2CGAMMA; PPP2CG

Locus ID: 5496

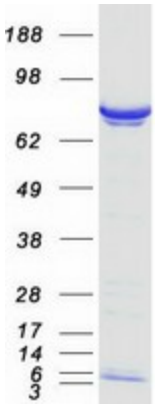
UniProt ID: O15355

Cytogenetics: 2p23.3

Summary: 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. [provided by RefSeq, Apr 2010]

Protein Families: Druggable Genome, Phosphatase

Product images:



Coomassie blue staining of purified PPM1G protein (Cat# [TP300439]). The protein was produced from HEK293T cells transfected with PPM1G cDNA clone (Cat# [RC200439]) using MegaTran 2.0 (Cat# [TT210002]).