

Product datasheet for PH312918

PPM1B (NM_002706) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | PPM1B MS Standard C13 and N15-labeled recombinant protein (NP_002697) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC212918 |
| Predicted MW: | 52.5 kDa |
| Protein Sequence: | >RC212918 representing NM_002706 Red=Cloning site Green=Tags(s) |

MGAFLDKPKTEKHNAHGAGNGLRYGLSSMQGWRVEMEDAHTAVVGIPHGLEDWSFFAVYDGHAGSRVANY
CSTHLLIHITTNEDFRAAGKSGSALELSVENVKNGIRTGFLKIDEYMRNFSDLRNGMDRSGSTAVGVMIS
PKHIYF INCGDSRAVLYRNGQVCFSTQDHPKPCNPREKERIQNAGGSVMIQRVNGSLAVSRALGDYDYKCV
DGKGPTEQLVSPEPEVYEILRAEDEFIILACDGIWDVMSNEELCEYVKSRLVSDDLNVCNWWVDTC
HKGSRDNMSIVL VCFSNAPKVSDEAVKKDSELDKHLESRVVEIMEKSGEEMPDLAHVMRILSAENIPNL
PPGGGLAGKRNVEAVYSRLNPHRES DGASDEAEESGSQGLVEALRQMRINHRGNRYQLLEEMLT SYRL
AKVEGEESPAEPAATATSSNSDAGNPVTMQESHTESESGLAELDSSNEDAGTKMSGEKI

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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|------------------|--|
| 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- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-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: | <u>NP_002697</u> |
| RefSeq Size: | 2605 |
| RefSeq ORF: | 1437 |
| Synonyms: | PP2C-beta; PP2C-beta-X; PP2CB; PP2CBETA; PPC2BETAX |



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Locus ID: 5495

UniProt ID: [O75688](#)

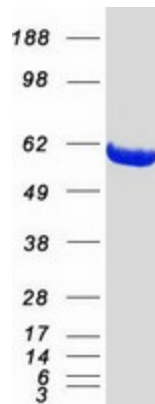
Cytogenetics: 2p21

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 has been shown to dephosphorylate cyclin-dependent kinases (CDKs), and thus may be involved in cell cycle control. Overexpression of this phosphatase is reported to cause cell-growth arrest or cell death. Alternative splicing results in multiple transcript variants encoding different isoforms. Additional transcript variants have been described, but currently do not represent full-length sequences. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Phosphatase, Stem cell - Pluripotency

Protein Pathways: MAPK signaling pathway

Product images:



Coomassie blue staining of purified PPM1B protein (Cat# [TP312918]). The protein was produced from HEK293T cells transfected with PPM1B cDNA clone (Cat# [RC212918]) using MegaTran 2.0 (Cat# [TT210002]).