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Product datasheet for PH309425

PPM1B (NM_177969) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	PPM1B MS Standard C13 and N15-labeled recombinant protein (NP_808908)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209425
Predicted MW:	52.6 kDa
Protein Sequence:	>RC209425 protein sequence Red=Cloning site Green=Tags(s) MGAFLDKPKTEKHNAHGAGNGLRYGLSSMQGWRVEMEDAHTAVVGIPHGLEDWSFFAVYDGHAGSRVANY CSTHLLEHITTNEDFRAAGKSGSALELSVENVKNGIRTGFLKIDEYMRNFSDLRNGMDRSGSTAVGVMIS PKHIYFINCGDSRAVLYRNGQVCFSTQDHKPCNPREKERIQNAGGSVMIQRVNGSLAVSRALGDYDYKCV DGKGPTEQLVSPEPEVYEILRAEEDEFIILACDGIWDVMSNEELCEYVKSRLEVSDDLENVCNWVVDTCL HKGSRDNMSIVLVCFSNAPKVSDEAVKKDSELDKHLESRVEEIMEKSGEEGMPDLAHVMRILSAENIPNL PPGGGLAGKRNVIEAVYSRLNPHRESDGASDEAEESGSQGKLVEALRQMRINHRGNYRQLLEEMLTSYRL AKVEGEESPAEPAATATSSNSDAGNPVTMQESHTESESGLAELDSSNEDAGTKMSGEKI 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_808908
RefSeq Size:	1829
RefSeq ORF:	1440
Synonyms:	PP2C-beta; PP2C-beta-X; PP2CB; PP2CBETA; PPC2BETAX

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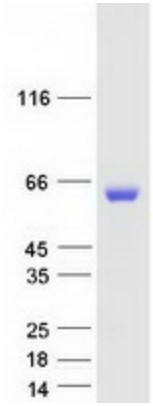
Locus ID:	5495
UniProt ID:	O75688
Cytogenetics:	2p21
Summary:	The protein encoded by this gene is a member of the PP2C family of Ser/Thr protein phosphatases. PP2C family members are known to be negative regulators of cell stress response pathways. This phosphatase has been shown to dephosphorylate cyclin-dependent 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# [TP309425]). The protein was produced from HEK293T cells transfected with PPM1B cDNA clone (Cat# [RC209425]) using MegaTran 2.0 (Cat# [TT210002]).