

Recombinant Human PPM1B Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPM1B-508H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPM1B MS Standard C13 and N15-labeled recombinant protein (NP_808907) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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 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.
Molecular Mass	42.6 kDa
AA Sequence	MGAFLDKPKTEKHNAHGAGNGLRYGLSSMQGWRVEMEDAHTAVVGIPHGLEDWS FFAVYDGHAGSRVANYCSTHLLIHITTNEDFRAAGKSGSALELSVENVKNIGRTGFL KIDEYMRNFSDLRNGMDRSGSTAVGVMISPKHIYFINGGDSRAVLYRNGQVCFSTQ DHKPCNPREKERIQNAGGSVMIQRVNGSLAVSRALGDYDYKCVDGKGPTEQLVSP EPEVYEILRAEEDEFIILACDGIWDVMSNEELCEYVKSRLEVSDDLNVCNWVVDTCLE

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HKGSRDNMSIVLVCFSNAPKVSDEAVKKDSELDKHLESRVEEIMEKSGEEGMPDLA
HVMRILSAENIPNLPPGGGLAGKRNVIEAVYSRLNPHRESGGAGDLEDPWTRTRP
LEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name PPM1B protein phosphatase, Mg²⁺/Mn²⁺ dependent 1B [Homo sapiens (human)]

Official Symbol PPM1B

Synonyms PPM1B; protein phosphatase, Mg²⁺/Mn²⁺ dependent, 1B; protein phosphatase 1B (formerly 2C), magnesium dependent, beta isoform; protein phosphatase 1B; PP2CB; PP2CBETA; PPC2BETAX; protein phosphatase 2C; beta isoform; PP2C-beta; protein phosphatase 2C isoform beta; protein phosphatase 2C-like protein; protein phosphatase 1B (formerly 2C), magnesium-dependent, beta isoform; PP2C-beta-X; MGC21657;

Gene ID 5495

mRNA Refseq NM_177968

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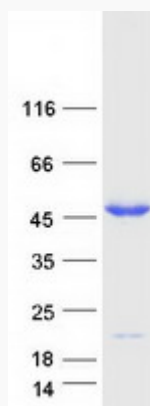
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Protein Refseq NP_808907

MIM 603770

UniProt ID O75688

SDS-PAGE



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