Recombinant Human PPM1B protein, His-tagged

Cat. No. PPM1B-79H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPM1B, fused with N-His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	494aa(including fusion tag)
Description	Protein phosphatase 1B 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.
Form	20mM Tris.Cl, 50mM NaCl, 50% Glycerol, pH8.0.
Molecular Mass	54.6kDa(including fusion tag)
Applications	WB, ELISA, IP, antibody production, protein array
Storage	Store at -80centigrade and avoid repeated freeze-thaw cycles.

GENE INFORMATION

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Gene Name	PPM1B protein phosphatase, Mg2+/Mn2+ dependent, 1B [Homo sapiens]
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_001033556
Protein Refseq	NP_001028728
MIM	603770
UniProt ID	O75688
Chromosome Location	2p22.1
Pathway	Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; ISG15 antiviral mechanism, organism-specific biosystem; Immune System, organism-specific biosystem; Interferon Signaling, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem;

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Function	hydrolase activity; magnesium ion binding; manganese ion binding; protein binding; protein serine/threonine phosphatase activity; protein serine/threonine phosphatase activity;

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