Recombinant Human PPP1CB Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PPP1CB-5964H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PPP1CB MS Standard C13 and N15-labeled recombinant protein (NP_996759) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	The protein encoded by this gene is one of the three catalytic subunits of protein phosphatase 1 (PP1). PP1 is a serine/threonine specific protein phosphatase known to be involved in the regulation of a variety of cellular processes, such as cell division, glycogen metabolism, muscle contractility, protein synthesis, and HIV-1 viral transcription. Mouse studies suggest that PP1 functions as a suppressor of learning and memory. Two alternatively spliced transcript variants encoding distinct isoforms have been observed.
Molecular Mass	37.2 kDa
AA Sequence	MADGELNVDSLITRLLEVRGCRPGKIVQMTEAEVRGLCIKSREIFLSQPILLELEAPLKI CGDIHGQYTDLLRLFEYGGFPPEANYLFLGDYVDRGKQSLETICLLLAYKIKYPENFF LLRGNHECASINRIYGFYDECKRRFNIKLWKTFTDCFNCLPIAAIVDEKIFCCHGGLSP DLQSMEQIRRIMRPTDVPDTGLLCDLLWSDPDKDVQGWGENDRGVSFTFGADVVS KFLNRHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGGMMSVDETL MCSFQILKPSEKKAKYQYGGLNSGRPVTPPRTANPPKKRTRTRPLEQKLISEEDLAA

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	NDILDYKDDDDKV
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	PPP1CB protein phosphatase 1 catalytic subunit beta [Homo sapiens (human)]
Official Symbol	PPP1CB
Synonyms	PPP1CB; protein phosphatase 1, catalytic subunit, beta isozyme; protein phosphatase 1, catalytic subunit, beta isoform; serine/threonine-protein phosphatase PP1-beta catalytic subunit; PP 1B; PP1beta; protein phosphatase 1-beta; protein phosphatase 1-delta; protein phosphatase 1, catalytic subunit, delta isoform; serine/threonine protein phosphatase PP1-beta catalytic subunit; PP-1B; PPP1CD; MGC3672;
Gene ID	5500
mRNA Refseq	NM_206876
Protein Refseq	NP_996759

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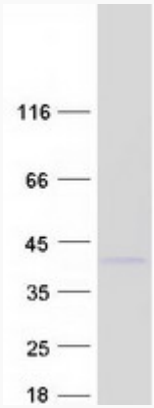
MIM	600590
UniProt ID	P62140
SDS-PAGE	

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