

Recombinant Full Length Human PPP1CB Protein, C-Flag-tagged

Cat. No. PPP1CB-755HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PPP1CB Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	37 kDa
AA Sequence	MADGELNVDSLITRLLLEVRGCRPGKIVQMTEAEVRGLCIKSREIFLSQPILLELEAPLKI CGDIHGQYTD LLRLFYGGFPPEANYLFLGDYVDRGKQSLETICLLLAYKIKYPENFF LLRGNHECASINRIYGFYDECK RRFNIKLWKTFTDCFNCLPIAAIVDEKIFCCHGGLS PDLQSMEQIRIRMRPTDVPDTGLLCDLLWSDPK DVQGWGENDRGVSFTFGADV SKFLNRHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGG

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	MMSVDETLMCSEFQILKPSEKKAKYQYGGLNSGRPVTPPRTANPPKKRTRTRPLEQK LISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Phosphatase
Protein Pathways	Focal adhesion, Insulin signaling pathway, Long-term potentiation, Oocyte meiosis, Regulation of actin cytoskeleton, Vascular smooth muscle contraction
Full Length	Full L.

GENE INFORMATION

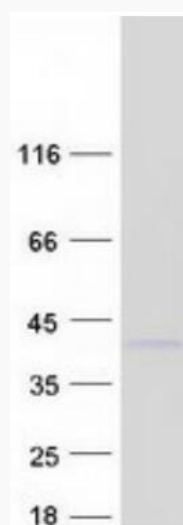
Gene Name	PPP1CB protein phosphatase 1 catalytic subunit beta [Homo sapiens (human)]
Official Symbol	PPP1CB
Synonyms	MP; PP1B; PP1c; NSLH2; PP-1B; PPP1CD; PP1beta; PPP1beta; HEL-S-80p
Gene ID	5500

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mRNA Refseq	NM_206876.2
Protein Refseq	NP_996759.1
MIM	600590
UniProt ID	P62140



Coomassie blue staining of purified PPP1CB protein.

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