

Recombinant Human PPP1CB Protein, His-tagged

Cat. No. PPP1CB-2614H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PPP1CB Protein (Phe45-Arg327) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Phe45-Arg327
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36 kDa Accurate Molecular Mass: 36 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	PPP1CB protein phosphatase 1, catalytic subunit, beta isozyme [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

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mRNA Refseq	NM_002709
Protein Refseq	NP_002700
MIM	600590
UniProt ID	P62140

