

Recombinant Human PPP1CB 293 Cell Lysate

Cat. No. PPP1CB-2949HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 1, catalytic subunit, beta isoform (PPP1CB), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION
Gene Name

PPP1CB protein phosphatase 1, catalytic subunit, beta isozyme [Homo sapiens]

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_002709

Protein Refseq

NP_002700

MIM

600590

UniProt ID

P62140

Chromosome Location

2p23

Pathway

Amphetamine addiction, organism-specific biosystem; Amphetamine addiction,

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conserved biosystem; Dopaminergic synapse, organism-specific biosystem;
Dopaminergic synapse, conserved biosystem; Focal adhesion, organism-specific
biosystem; Focal adhesion, conserved biosystem; G13 Signaling Pathway, organism-
specific biosystem;

Function

hydrolase activity; metal ion binding; myosin phosphatase activity; myosin-light-chain-
phosphatase activity; protein binding; protein kinase binding;

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