

Recombinant Human PPP2R1B 293 Cell Lysate

Cat. No. PPP2R1B-2925HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 2 (formerly 2A), regulatory subunit A, beta isoform (PPP2R1B), transcript variant 2 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 [PPP2R1B protein phosphatase 2, regulatory subunit A, beta \[Homo sapiens \]](#)

Official Symbol PPP2R1B

Synonyms

PPP2R1B; protein phosphatase 2, regulatory subunit A, beta; protein phosphatase 2 (formerly 2A), regulatory subunit A (PR 65), beta isoform , protein phosphatase 2 (formerly 2A), regulatory subunit A, beta isoform; serine/threonine-protein phosphatase 2A 65 kDa regulatory subunit A beta isoform; PP2A A beta; PP2A Abeta; PR65B; protein phosphatase 2A; regulatory subunit A; beta isoform; PP2A, subunit A, R1-beta isoform; PP2A, subunit A, PR65-beta isoform; protein phosphatase 2, structural/regulatory subunit A, beta; protein phosphatase 2 (formerly 2A), regulatory subunit A, beta isoform; PP2A-Abeta; MGC26454;

Gene ID [5519](#)

mRNA Refseq [NM_001177562](#)

Protein Refseq [NP_001171033](#)

MIM [603113](#)

UniProt ID [P30154](#)

Chromosome Location 11q23.1

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Pathway

Activated TLR4 signalling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Beta-catenin phosphorylation cascade, organism-specific biosystem; CTLA4 inhibitory signaling, organism-specific biosystem; Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; Chagas disease (American trypanosomiasis), organism-specific biosystem;

Function

protein binding;

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