Recombinant Human PPP2R5B 293 Cell Lysate

Cat. No. PPP2R5B-2918HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein phosphatase 2, regulatory subunit B, beta isoform (PPP2R5B) 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	PPP2R5B protein phosphatase 2, regulatory subunit B, beta [Homo sapiens]
Official Symbol	PPP2R5B
Synonyms	PPP2R5B; protein phosphatase 2, regulatory subunit B, beta; protein phosphatase 2, regulatory subunit B (B56), beta isoform , protein phosphatase 2, regulatory subunit B, beta isoform; serine/threonine-protein phosphatase 2A 56 kDa regulatory subunit beta isoform; B56B; FLJ35411; PP2A; B subunit; B beta isoform; B56 beta isoform; PR61 beta isoform; R5 beta isoform; PR61B; serine/threonine protein phosphatase 2A; 56 kDa regulatory subunit; beta isoform; PP2A B subunit isoform B-beta; PP2A B subunit isoform R5-beta; PP2A B subunit isoform B56-beta; PP2A B subunit isoform PR61-beta; protein phosphatase 2, regulatory subunit B, beta isoform; serine/threonine protein phosphatase 2A, 56 kDa regulatory subunit, beta isoform;
Gene ID	5526
mRNA Refseq	NM_006244
Protein Refseq	NP_006235
MIM	601644
UniProt ID	Q15173
Chromosome	11q12

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Location	
Pathway	Activation of Chaperone Genes by XBP1(S), organism-specific biosystem; Activation of Chaperones by IRE1alpha, 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;
Function	protein binding; protein phosphatase type 2A regulator activity;

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