

Recombinant Human PRKCB 293 Cell Lysate

Cat. No. PRKCB-2859HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein kinase C, beta (PRKCB), 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

PRKCB protein kinase C, beta [Homo sapiens]

Official Symbol

PRKCB

Synonyms

PRKCB; protein kinase C, beta; PKCB, PRKCB1, PRKCB2, protein kinase C, beta 1; protein kinase C beta type; PKC-B; protein kinase C, beta 1 polypeptide; PKCB; PRKCB1; PRKCB2; PKC-beta; MGC41878;

Gene ID

5579

mRNA Refseq

NM_002738

Protein Refseq

NP_002729

MIM

176970

UniProt ID

P05771

**Chromosome
Location**

16p12

Pathway

Activation of NF-kappaB in B Cells, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; African trypanosomiasis, organism-specific biosystem; African trypanosomiasis, conserved biosystem; Aldosterone-regulated sodium reabsorption, organism-specific biosystem; Aldosterone-regulated sodium

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reabsorption, conserved biosystem; Amoebiasis, organism-specific biosystem;

Function

ATP binding; androgen receptor binding; chromatin binding; histone binding; histone kinase activity (H3-T6 specific); ligand-dependent nuclear receptor transcription coactivator activity; metal ion binding; nucleotide binding; protein binding; protein kinase C activity; protein kinase C binding; zinc ion binding;

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