Recombinant Human PRKCI 293 Cell Lysate

Cat. No. PRKCI-2854HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein kinase C, iota (PRKCI) 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	PRKCI protein kinase C, iota [Homo sapiens]
Official Symbol	PRKCI
Synonyms	PRKCI; protein kinase C, iota; DXS1179E; protein kinase C iota type; PKCI; PRKC-lambda/iota; aPKC-lambda/iota; atypical protein kinase C-lambda/iota; nPKC-iota; MGC26534;
Gene ID	5584
mRNA Refseq	NM_002740
Protein Refseq	NP_002731
MIM	600539
UniProt ID	P41743
Chromosome Location	3q26.3
Pathway	Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; Endocytosis, organism-specific biosystem; Endocytosis, conserved biosystem; G Protein Signaling

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	Pathways, organism-specific biosystem;
Function	ATP binding; metal ion binding; nucleotide binding; phospholipid binding; protein binding; protein kinase C activity; protein kinase activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity; zinc ion binding;

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