

Recombinant Human PRKCE 293 Cell Lysate

Cat. No. PRKCE-2857HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein kinase C, epsilon (PRKCE) 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 [PRKCE protein kinase C, epsilon \[Homo sapiens \]](#)

Official Symbol PRKCE

Synonyms PRKCE; protein kinase C, epsilon; protein kinase C epsilon type; PKCE; nPKC-epsilon; MGC125656; MGC125657;

Gene ID [5581](#)

mRNA Refseq [NM_005400](#)

Protein Refseq [NP_005391](#)

MIM [176975](#)

UniProt ID [Q02156](#)

Chromosome Location 2p21

Pathway B Cell Receptor Signaling Pathway, organism-specific biosystem; CDC42 signaling events, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; DAG and IP3 signaling, organism-specific biosystem; Disease, organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; Downstream signaling in naive CD8+ T cells, organism-specific

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biosystem;

Function

ATP binding; SH3 domain binding; actin monomer binding; calcium-independent protein kinase C activity; enzyme activator activity; enzyme binding; ethanol binding; metal ion binding; nucleotide binding; protein kinase C activity; protein kinase binding; receptor activator activity; signal transducer activity;

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