

Recombinant Human PRKCE 293 Cell Lysate

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

SPECIFICATION

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.
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

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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 biosystem;

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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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