

Recombinant Human PRKD1 293 Cell Lysate

Cat. No. PRKD1-2851HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein kinase D1 (PRKD1) 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

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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	PRKD1 protein kinase D1 [Homo sapiens]
Official Symbol	PRKD1
Synonyms	PRKD1; protein kinase D1; PRKCM, protein kinase C, mu; serine/threonine-protein kinase D1; PKC mu; PKCM; PKD; nPKC-D1; nPKC-mu; protein kinase D; protein kinase C, mu; protein kinase C mu type; PRKCM; PKC-MU;
Gene ID	5587
mRNA Refseq	NM_002742
Protein Refseq	NP_002733
MIM	605435
UniProt ID	Q15139
Chromosome Location	14q11
Pathway	B Cell Receptor Signaling Pathway, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; EGFR1 Signaling Pathway, organism-specific biosystem; G Protein Signaling Pathways, organism-specific biosystem; IGF1 pathway, organism-specific biosystem; LPA receptor mediated events, organism-specific biosystem; Metabolism, organism-specific biosystem;

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Function

ATP binding; metal ion binding; nucleotide binding; protein binding; protein kinase C activity; protein serine/threonine kinase activity; protein serine/threonine kinase activity;

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