

Recombinant Human PRKD1 293 Cell Lysate

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

SPECIFICATION

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 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.

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

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