Recombinant Human PRKACG 293 Cell Lysate

Cat. No. PRKACG-2867HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein kinase, cAMP-dependent, catalytic, gamma (PRKACG) 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	PRKACG protein kinase, cAMP-dependent, catalytic, gamma [Homo sapiens]
Official Symbol	PRKACG
Synonyms	PRKACG; protein kinase, cAMP-dependent, catalytic, gamma; cAMP-dependent protein kinase catalytic subunit gamma; PKACg; PKA C-gamma; serine(threonine) protein kinase; KAPG;
Gene ID	5568
mRNA Refseq	NM_002732
Protein Refseq	NP_002723
MIM	176893
UniProt ID	P22612
Chromosome Location	9q13
Pathway	AMPK signaling, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Apoptosis, organism-specific biosystem;

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Function	ATP binding; cAMP-dependent protein kinase activity; nucleotide binding; protein serine/threonine kinase activity;

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