Recombinant Human PRKAR2B 293 Cell Lysate

Cat. No. PRKAR2B-2860HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for protein kinase, cAMP-dependent, regulatory, type II, beta (PRKAR2B) 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

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	PRKAR2B protein kinase, cAMP-dependent, regulatory, type II, beta [Homo sapiens]
Official Symbol	PRKAR2B
Synonyms	PRKAR2B; protein kinase, cAMP-dependent, regulatory, type II, beta; PRKAR2; cAMP-dependent protein kinase type II-beta regulatory subunit; H_RG363E19.2; WUGSC:H_RG363E19.2; cAMP-dependent protein kinase type II-beta regulatory chain; RII-BETA;
Gene ID	5577
mRNA Refseq	NM_002736
Protein Refseq	NP_002727
MIM	176912
UniProt ID	P31323
Chromosome Location	7q22.3
Pathway	Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Aquaporin-mediated transport, organism-specific biosystem; Ca-dependent events, organism-specific biosystem; CaM pathway, organism-specific biosystem; Calcium Regulation in the Cardiac Cell, organism-specific biosystem; Calmodulin induced events,

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	organism-specific biosystem;
Function	cAMP binding; cAMP-dependent protein kinase regulator activity; nucleotide binding; protein domain specific binding; ubiquitin protein ligase binding;

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