Recombinant Human PRKACB 293 Cell Lysate

Cat. No. PRKACB-2868HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for protein kinase, cAMP-dependent, catalytic, beta (PRKACB), transcript variant 2 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	PRKACB protein kinase, cAMP-dependent, catalytic, beta [Homo sapiens]
Official Symbol	PRKACB
Synonyms	PRKACB; protein kinase, cAMP-dependent, catalytic, beta; cAMP-dependent protein kinase catalytic subunit beta; PKACb; PKA C-beta; protein kinase A catalytic subunit beta; cAMP-dependent protein kinase catalytic beta subunit isoform 4ab; PKACB; MGC9320; MGC41879; DKFZp781I2452;
Gene ID	5567
mRNA Refseq	NM_001242857
Protein Refseq	NP_001229786
MIM	176892
UniProt ID	P22694
Chromosome Location	1p36.1
Pathway	AMPK signaling, organism-specific biosystem; Activation of NMDA receptor upon glutamate binding and postsynaptic events, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Amoebiasis, organism-specific

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	biosystem; Amoebiasis, conserved biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem;
Function	ATP binding; cAMP-dependent protein kinase activity; magnesium ion binding; nucleotide binding; protein binding; protein serine/threonine kinase activity; ubiquitin protein ligase binding;

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