

Recombinant Human PRKX 293 Cell Lysate

Cat. No. PRKX-2845HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for protein kinase, X-linked (PRKX) 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.

 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

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 PRKX protein kinase, X-linked [Homo sapiens]

Official Symbol PRKX

Synonyms PRKX; protein kinase, X-linked; cAMP-dependent protein kinase catalytic subunit PRKX; PKX1; protein kinase X; protein kinase PKX1; protein kinase X-linked; serine/threonine-protein kinase PRKX;

Gene ID 5613

mRNA Refseq NM_005044

Protein Refseq NP_005035

MIM 300083

UniProt ID P51817

Chromosome Location Xp22.3

Pathway Amoebiasis, organism-specific biosystem; Amoebiasis, conserved biosystem; Amphetamine addiction, organism-specific biosystem; Amphetamine addiction, conserved biosystem; Apoptosis, organism-specific biosystem; Apoptosis, conserved biosystem; Bile secretion, organism-specific biosystem;

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Function

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

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