

Recombinant Human PDK 293 Cell Lysate

Cat. No. PDK-2653HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for PDK domain containing serine/threonine kinase (PDK) 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

PXK PX domain containing serine/threonine kinase [Homo sapiens]

Official Symbol

PXK

Synonyms

PXK; PX domain containing serine/threonine kinase; PX domain-containing protein kinase-like protein; FLJ20335; PX ser/thr kinase v2; PX serine/threonine kinase; modulator of Na,K-ATPase long form; MONaKA;

Gene ID

54899

mRNA Refseq

NM_017771

Protein Refseq

NP_060241

MIM

611450

UniProt ID

Q7Z7A4

**Chromosome
Location**

3p21.2

Function

NOT ATP binding; actin binding; NOT nucleotide binding; phosphatidylinositol binding; phosphatidylinositol binding; protein C-terminus binding; protein C-terminus binding; NOT protein kinase activity; transferase activity, transferring phosphorus-containing groups;

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