

Recombinant Human PHKG2 293 Cell Lysate

Cat. No. PHKG2-3222HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for phosphorylase kinase, gamma 2 (testis) (PHKG2) 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

PHKG2 phosphorylase kinase, gamma 2 (testis) [Homo sapiens]

Official Symbol

PHKG2

Synonyms

PHKG2; phosphorylase kinase, gamma 2 (testis); phosphorylase b kinase gamma catalytic chain, testis/liver isoform; PSK-C3; PHK-gamma-T; phosphorylase kinase subunit gamma-2; serine/threonine-protein kinase PHKG2; Phosphorylase kinase, gamma 2 (testis/liver); GSD9C;

Gene ID

5261

mRNA Refseq

NM_000294

Protein Refseq

NP_000285

MIM

172471

UniProt ID

P15735

Chromosome Location

16p11.2

Pathway

Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Glucose metabolism, organism-specific biosystem; Glycogen Metabolism, organism-specific biosystem; Glycogen breakdown (glycogenolysis),

 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

organism-specific biosystem; Insulin signaling pathway, organism-specific biosystem;
Insulin signaling pathway, conserved biosystem;

Function

ATP binding; calmodulin binding; enzyme binding; nucleotide binding; phosphorylase
kinase activity; protein serine/threonine kinase activity; protein serine/threonine
kinase activity; tau-protein kinase activity;

 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