

Recombinant Human DGKB 293 Cell Lysate

Cat. No. DGKB-6959HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for diacylglycerol kinase, beta 90kDa (DGKB), transcript variant 1 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

DGKB diacylglycerol kinase, beta 90kDa [Homo sapiens]

Official Symbol

DGKB

Synonyms

DGKB; diacylglycerol kinase, beta 90kDa; DAGK2, diacylglycerol kinase, beta (90kD); diacylglycerol kinase beta; DGK; DGK BETA; KIAA0718; DAG kinase beta; diglyceride kinase beta; 90 kDa diacylglycerol kinase; DAGK2; DGK-BETA;

Gene ID

1607

mRNA Refseq

NM_004080

Protein Refseq

NP_004071

MIM

604070

UniProt ID

Q9Y6T7

**Chromosome
Location**

7p21.2

Pathway

Effects of PIP2 hydrolysis, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling, organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Glycerophospholipid metabolism, organism-

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specific biosystem; Glycerophospholipid metabolism, conserved biosystem;

Function

ATP binding; calcium ion binding; diacylglycerol kinase activity; nucleotide binding; transferase activity;

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