Recombinant Human DGKA 293 Cell Lysate

Cat. No. DGKA-6961HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for diacylglycerol kinase, alpha 80kDa (DGKA), transcript variant 3 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	DGKA diacylglycerol kinase, alpha 80kDa [Homo sapiens]
Official Symbol	DGKA
Synonyms	DGKA; diacylglycerol kinase, alpha 80kDa; DAGK, DAGK1, diacylglycerol kinase, alpha (80kD); diacylglycerol kinase alpha; DGK alpha; DAG kinase alpha; diglyceride kinase alpha; 80 kDa diacylglycerol kinase; DAGK; DAGK1; DGK-alpha; MGC12821; MGC42356;
Gene ID	1606
mRNA Refseq	NM_001345
Protein Refseq	NP_001336
MIM	125855
UniProt ID	P23743
Chromosome Location	12q13.3
Pathway	Calcineurin-regulated NFAT-dependent transcription in lymphocytes, organism-specific biosystem; Effects of PIP2 hydrolysis, organism-specific biosystem; G alpha (q) signalling events, organism-specific biosystem; GPCR downstream signaling,

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	organism-specific biosystem; Glycerolipid metabolism, organism-specific biosystem; Glycerolipid metabolism, conserved biosystem; Glycerophospholipid metabolism, organism-specific biosystem;
Function	ATP binding; calcium ion binding; diacylglycerol kinase activity; nucleotide binding; phospholipid binding; transferase activity;

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