

DGKK recombinant protein

DGKK Active

CATALOG #
AAA73422

HOST
Sf9 insect cells

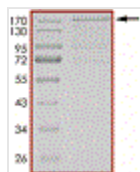
PRODUCT SYNONYMS

DGKK; DGKK Active; Diacylglycerol kinase kappa; DGK-kappa; DGKK recombinant protein

PRODUCT SPECIFICATIONS

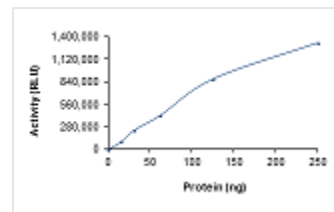
Host	Sf9 insect cells
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Tag	HIS
Species	Human
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Store product at -70 degree C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

Purity: Sample Purity Data. For specific information on a given lot, see related technical data sheet.



Activity

Specific Activity: Sample Activity Plot. For specific information on a given lot, see related technical data sheet

ADDITIONAL INFORMATION

Related Product Information for DGKK recombinant protein	Recombinant full-length human DGKK was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. The gene accession number is NP_001013764.1. Diacylglycerol kinase kappa (DGKK) is a member of the type II diacylglycerol kinase subfamily. Diacylglycerol kinases modulate the concentration of intracellular diacylglycerol by phosphorylating, producing phosphatidic acid (PA)(1). PA regulates signaling proteins, such as protein kinases and phosphatases, and can induce cell mitosis through regulation of growth factors (2). Genetic variants of DGKk are associated with hypospadias in mild and moderate Han Chinese cases (3).
Product Categories/Family for DGKK recombinant protein	Lipid Kinases ; Angiogenesis ; Apoptosis/Autophagy ; Cancer ; Cardiovascular Disease ; Cell Cycle ; Lipid Kinases ; PKA/PKC Pathway
References	1. Imai, S. et al: Identification and characterization of a novel human type II diacylglycerol kinase, DGK kappa. J Biol Chem. 2005; 280(48):39870-81. 2. Buckland, A.G. et al: Anionic phospholipids, interfacial binding and the regulation of cell functions. Biochim Biophys Acta. 2000; 1483(2):199-216. 3. Xie, H. et al: Association between diacylglycerol kinase kappa variants and hypospadias susceptibility in a Han Chinese population. Asian journal of andrology. 2018; 20 (1): 85-89.

NCBI AND UNIPROT INFORMATION

NCBI GI #	62000702
NCBI GeneID	139189
NCBI Accession #	NP_001013764.1
NCBI GenBank Nucleotide #	NM_001013742.2
UniProt Accession #	Q5KSL6; B2RP91
Molecular Weight	141,829 Da
NCBI Official Full Name	diacylglycerol kinase kappa
NCBI Official Synonym Full Names	diacylglycerol kinase, kappa
NCBI Official Symbol	DGKK
NCBI Protein Information	diacylglycerol kinase kappa; DGK-kappa; DAG kinase kappa; diglyceride kinase kappa; 142 kDa diacylglycerol kinase
UniProt Protein Name	Diacylglycerol kinase kappa
UniProt Gene Name	DGKK
UniProt Synonym Gene Names	DAG kinase kappa; DGK-kappa
UniProt Entry Name	DGKK_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/dgkk-recombinant-protein-sf9/73422>