

Recombinant Active Human DGKK Protein, His-tagged

Cat. No. DGKK-18H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human protein expressed in Sf9 cells using an N-terminal His tag.
Species	Human
Source	Insect Cells
Description	The protein encoded by this gene is an enzyme that phosphorylates diacylglycerol, converting it to phosphatidic acid. The encoded protein is a membrane protein and is inhibited by hydrogen peroxide. Variations in this gene have been associated with hypospadias.
Molecular Mass	145 kDa
Purity	> 80%
Stability	One year at -70 centigrade from data of shipment.
Storage	Store product at -70 centigrade. 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.
Concentration	0.05 µg/µL
Storage Buffer	Recombinant protein stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150

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mM imidazole, 0.25 mM DTT, 0.1 mM PMSF, 25% glycerol.

Shipping Dry ice

GENE INFORMATION

Gene Name DGKK diacylglycerol kinase kappa [Homo sapiens (human)]

Official Symbol DGKK

Synonyms DGKK; diacylglycerol kinase kappa; diacylglycerol kinase kappa; 142 kDa diacylglycerol kinase; DAG kinase kappa; DGK-kappa; diglyceride kinase kappa; EC 2.7.1.107

Gene ID 139189

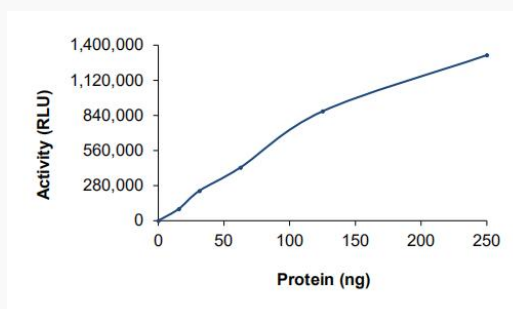
mRNA Refseq NM_001013742

Protein Refseq NP_001013764

MIM 300837

UniProt ID Q5KSL6

Specific Activity



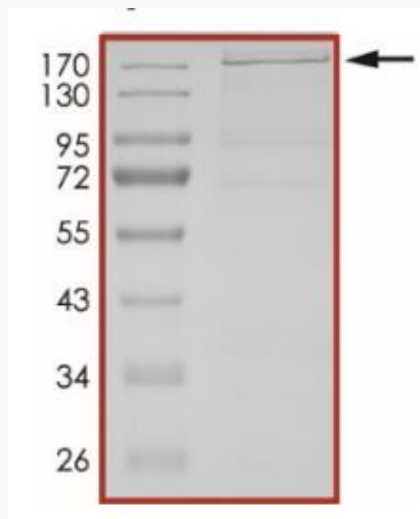
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The specific activity of DGKK was determined to be 26 nmol/min/mg as per activity assay protocol.

Purity



The purity of DGKK was determined to be > 80 % by densitometry.

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