

## Recombinant Active Human DGKI Protein, His-tagged

Cat. No. DGKI-17H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant full-length human protein expressed in Sf9 insect cells using an N-terminal His tag.
<b>Species</b>	Human
<b>Source</b>	Insect Cells
<b>Description</b>	This gene is a member of the type IV diacylglycerol kinase subfamily. Diacylglycerol kinases regulate the intracellular concentration of diacylglycerol through its phosphorylation, producing phosphatidic acid. The specific role of the enzyme encoded by this gene is undetermined, however, it may play a crucial role in the production of phosphatidic acid in the retina or in recessive forms of retinal degeneration.
<b>Molecular Mass</b>	140 kDa
<b>Purity</b>	> 90%
<b>Stability</b>	One year at -70 centigrade from data of shipment.
<b>Storage</b>	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.
<b>Concentration</b>	0.1 µg/µL

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**Storage Buffer** Recombinant protein stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.25 mM DTT, 25% glycerol.

**Shipping** Dry ice

## GENE INFORMATION

**Gene Name** DGKI diacylglycerol kinase iota [ Homo sapiens (human) ]

**Official Symbol** DGKI

**Synonyms** DGKI; diacylglycerol kinase iota; DGK-IOTA; diacylglycerol kinase iota; DAG kinase iota; diglyceride kinase iota; EC 2.7.1.107

**Gene ID** 9162

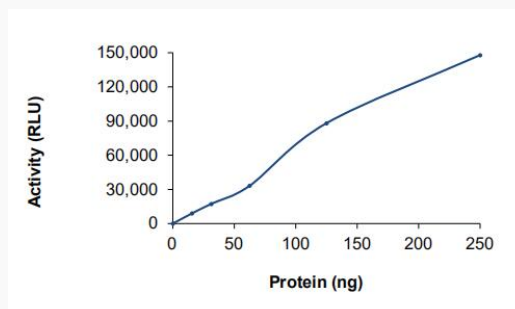
**mRNA Refseq** NM\_004717

**Protein Refseq** NP\_004708

**MIM** 604072

**UniProt ID** O75912

### Specific Activity



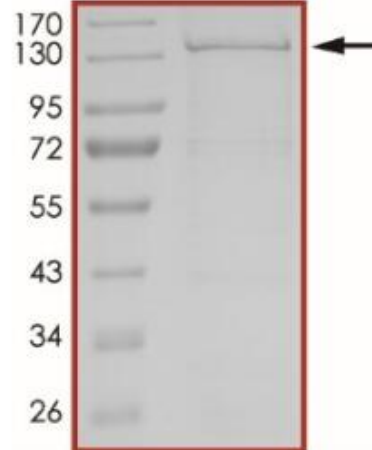
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The specific activity of DGKI was determined to be 3.9 nmol/min/mg as per activity assay protocol.

Purity



The purity of DGKI was determined to be > 90 % by densitometry.

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