

Recombinant Active Human DGKI Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant full-length human protein expressed in Sf9 insect cells using an N-terminal His tag.
Species	Human
Source	Insect Cells
Description	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.
Molecular Mass	140 kDa
Purity	> 90%
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	0.1 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.
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Shipping	Dry ice
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GENE INFORMATION

Gene Name	DGKI diacylglycerol kinase iota [Homo sapiens (human)]
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Official Symbol	DGKI
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Synonyms	DGKI; diacylglycerol kinase iota; DGK-IOTA; diacylglycerol kinase iota; DAG kinase iota; diglyceride kinase iota; EC 2.7.1.107
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Gene ID	9162
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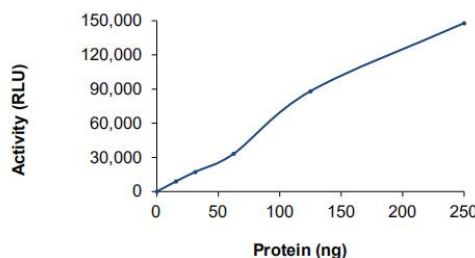
mRNA Refseq	NM_004717
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Protein Refseq	NP_004708
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MIM	604072
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UniProt ID	O75912
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Specific Activity



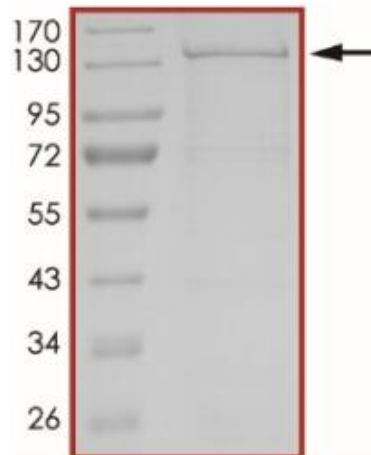
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The specific activity of DGKI was determined to be 3.9 nmol/min/mg as per activity assay protocol.

Purity



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

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