

Recombinant Active Human DGKZ Protein, His-tagged

Cat. No. DGKZ-19H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full-length human DGKZ was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag
Species	Human
Source	Insect Cells
Description	The protein encoded by this gene belongs to the eukaryotic diacylglycerol kinase family. It may attenuate protein kinase C activity by regulating diacylglycerol levels in intracellular signaling cascade and signal transduction. Alternative splicing occurs at this locus and multiple transcript variants encoding distinct isoforms have been identified.
Molecular Mass	127 kDa
Purity	> 75%
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	DGKZ diacylglycerol kinase zeta [Homo sapiens (human)]
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Official Symbol	DGKZ
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Synonyms	DGKZ; diacylglycerol kinase zeta; DAGK5; DAGK6; DGK-ZETA; hDGKzeta; diacylglycerol kinase zeta; DAG kinase zeta; diacylglycerol kinase, zeta 104kDa; diglyceride kinase zeta; EC 2.7.1.107
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Gene ID	8525
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mRNA Refseq	NM_003646
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Protein Refseq	NP_003637
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MIM	601441
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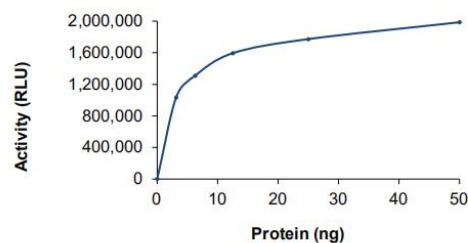
UniProt ID	Q13574
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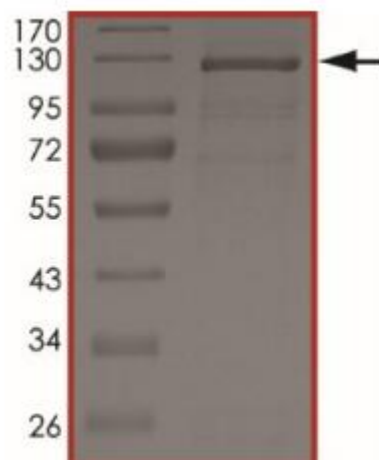
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Specific Activity



The specific activity of DGKZ was determined to be 320 nmol/min/mg as per activity assay protocol.

Purity



The purity of DGKZ was determined to be > 75 % by densitometry.