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

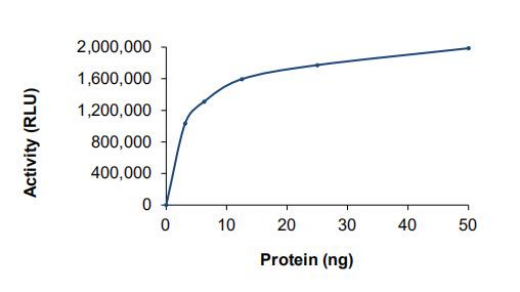
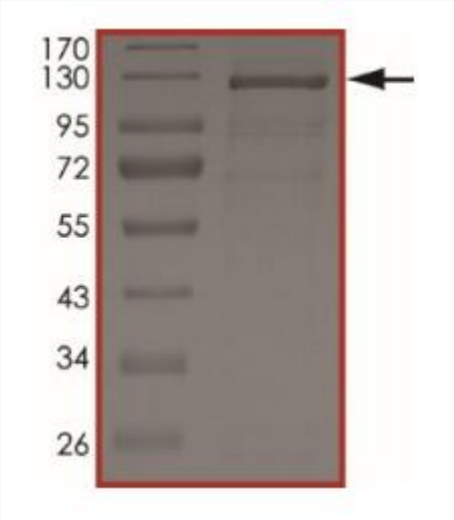
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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	DGKZ diacylglycerol kinase zeta [Homo sapiens (human)]
Official Symbol	DGKZ
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
Gene ID	8525
mRNA Refseq	NM_003646
Protein Refseq	NP_003637
MIM	601441
UniProt ID	Q13574

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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.

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