

## Recombinant Human DGKD Protein, His-tagged

Cat. No. DGKD-1334H    Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human DGKD Protein (Pro672-Val885) with N-His tag was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Pro672-Val885
<b>Description</b>	This gene encodes a cytoplasmic enzyme that phosphorylates diacylglycerol to produce phosphatidic acid. Diacylglycerol and phosphatidic acid are two lipids that act as second messengers in signaling cascades. Their cellular concentrations are regulated by the encoded protein, and so it is thought to play an important role in cellular signal transduction. Alternative splicing results in two transcript variants encoding different isoforms.
<b>Form</b>	Freeze-dried powder
<b>Molecular Mass</b>	Predicted Molecular Mass: 26.56 kDa Accurate Molecular Mass: 14 kDa
<b>Purity</b>	> 90%
<b>Applications</b>	Positive Control; Immunogen; SDS-PAGE; WB.

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<b>Stability</b>	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
<b>Storage</b>	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
<b>Storage Buffer</b>	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
<b>Reconstitution</b>	Reconstitute in PBS or others.

## GENE INFORMATION

<b>Gene Name</b>	DGKD diacylglycerol kinase, delta 130kDa [ Homo sapiens (human) ]
<b>Official Symbol</b>	DGKD
<b>Synonyms</b>	DGKD; diacylglycerol kinase, delta 130kDa; diacylglycerol kinase, delta (130kD); diacylglycerol kinase delta; DGKdelta; diglyceride kinase; KIAA0145; DGK-delta; DAG kinase delta; diglyceride kinase delta; dgkd-2; FLJ26930;
<b>Gene ID</b>	8527
<b>mRNA Refseq</b>	NM_003648
<b>Protein Refseq</b>	NP_003639
<b>MIM</b>	601826
<b>UniProt ID</b>	Q16760

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