

Recombinant Human DGKD Protein, His-tagged

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

SPECIFICATION

Product Overview	Recombinant Human DGKD Protein (Pro672-Val885) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Pro672-Val885
Description	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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 26.56 kDa Accurate Molecular Mass: 14 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.
GENE INFORMATION	
Gene Name	DGKD diacylglycerol kinase, delta 130kDa [Homo sapiens (human)]
Official Symbol	DGKD
Synonyms	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;
Gene ID	8527
mRNA Refseq	NM_003648
Protein Refseq	NP_003639
MIM	601826
UniProt ID	Q16760

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