

Recombinant Human PDK4 protein, His & T7-tagged

Cat. No. PDK4-5669H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDK4 aa. (Asp73~Thr316 (Accession # Q16654)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Asp73~Thr316
Description	This gene is a member of the PDK/BCKDK protein kinase family and encodes a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. Expression of this gene is regulated by glucocorticoids, retinoic acid and insulin.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.4kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.3.

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Applications	SDS-PAGE; WB; ELISA; IP.
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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	PDK4 pyruvate dehydrogenase kinase 4 [Homo sapiens (human)]
Official Symbol	PDK4
Synonyms	PDK4; pyruvate dehydrogenase kinase 4; pyruvate dehydrogenase kinase, isozyme 4; [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 4, mitochondrial; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 4, mitochondrial; pyruvate dehydrogenase kinase, isoenzyme 4; pyruvate dehydrogenase, lipoamide, kinase isozyme 4, mitochondrial
Gene ID	5166
mRNA Refseq	NM_002612.3
Protein Refseq	NP_002603.1

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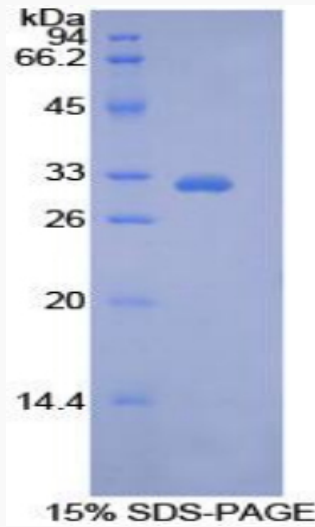
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UniProt ID

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SDS-PAGE



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