

Recombinant Full Length Human PDK4 Protein

Cat. No. PDK4-369HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human PDK4 with proprietary tag; Predicted MWt 71.32 kDa.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	411 amino acids
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	Liquid
Molecular Mass	71.32kDa inclusive of tags
AA Sequence	MKAARFVLR SAGSLNGAGLVPREVEHF SRYSPSPLSMKQLLD FGS ENACERTSFAF LRQELPVRLANILKEIDILPTQLVNTSSVQLV KSWYIQSLMDLVEFHEKSPDDQKALS DFVDTLIKVRNRHHNVPTMAQGIIEYKDACTVDPVTNQNLQYFLDRFYMNRISTRM LMNQHILIFSDSQTG NPSHIGSIDPNCDVVAVVQDAFEC SRMLCDQYYLSSPELKLT QVNGKFPDQPIHIVYVPSHLHMLFELFKNAMRATVEHQENQPSLTPIEVIVVLGKED LTIKISDRGGVPLRIIDRLFSYTYSTAPTVM DNSRNAPLAGFGYGLPISRLYAKYFQ

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GDLNLYSLSGYGTDAIYKALSSSESIEKLPVFNKSAFKHYQMSSEADDWCIPSREPK
NLAKEVAM

Purity Proprietary Purification

Storage Shipped on dry ice. Upon delivery aliquot and store at -80 centigrade. Avoid freeze / thaw cycles.

Storage Buffer pH: 8.00. Constituents:0.79% Tris HCl, 0.31% Glutathione.

GENE INFORMATION

Gene Name PDK4 pyruvate dehydrogenase kinase, isozyme 4 [Homo sapiens]

Official Symbol PDK4

Synonyms PDK4; pyruvate dehydrogenase kinase, isozyme 4; pyruvate dehydrogenase kinase, isoenzyme 4

Gene ID 5166

mRNA Refseq NM_002612

Protein Refseq NP_002603

MIM 602527

UniProt ID Q16654

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