

Recombinant Full Length Human PDK4 Protein, C-Flag-tagged

Cat. No. PDK4-683HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PDK4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46.3 kDa
AA Sequence	MKAARFVLR SAGSLNGAGLVPREVEHFSRYSPSPLSMKQLLD FGSENA CERTSFAF LRQELPVRLANILK EIDILPTQLVNTSSVQLVKSWYIQSLMDLVEFHEKSPDDQKALS DFVDTLIKVRNRHHNVPTMAQGIIE YKDACTVDPVTNQNLQYFLDRFYMNRISTRM LMNQHILIFS DSQTGNPSHIGSIDPNCDVVAVVQDAFEC SRMLCDQYYLSSPELKLT QVNGKFPDQPIHIVYVPSHLHHMLFELFKNAMRATVEHQENQPSLTPIEVIV VLGKE DLTIKISDRGGGVPLRIIDRLFSYTYSTAPTPVMDNSRNAPLAGFGYGLPISRLYAKYF QGDLNL

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YSLSGYGTDAIYLLKALSSSESIEKLPVFNKSAFKHYQMSSEADDWCIPSREPKNLAKE
VAMTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Protein Kinase
Full Length	Full L.

GENE INFORMATION

Gene Name	PDK4 pyruvate dehydrogenase kinase 4 [Homo sapiens (human)]
Official Symbol	PDK4
Synonyms	FLJ40832
Gene ID	5166
mRNA Refseq	NM_002612.4

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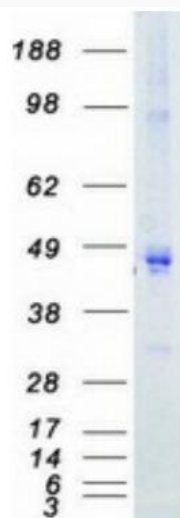
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Protein Refseq [NP_002603.1](#)

MIM [602527](#)

UniProt ID [Q16654](#)



Coomassie blue staining of purified PDK4 protein.

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