

Recombinant Full Length Human PDK2 Protein, C-Flag-tagged

Cat. No. PDK2-1733HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human PDK2 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	This gene encodes a member of the pyruvate dehydrogenase kinase family. The encoded protein phosphorylates pyruvate dehydrogenase, down-regulating the activity of the mitochondrial pyruvate dehydrogenase complex. Overexpression of this gene may play a role in both cancer and diabetes. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	46 kDa
AA Sequence	MRWWALLKNASLAGAPKYIEHFSKFSPSPLSMKQFLDFGSSNACEKTSFTFLRQE LPVRLANIMKEINL LPDRLVSTPSVQLVQSWYVQSLLDIMEFLDKDPEDHRTLSQFT DALVTIRNRHNDVVPTMAQGVLEYKDT YGDDPVSNNQNIQYFLDRFYLSRISIRMLIN QHTLIFDGSTNPAHPKHIGSIDPNCNVSEVVKDAYDMAKL LCDKYMASPDLEIQEIN AANSKQPIHMYVPSHLYHMLFELFKNAMRATVESHESSLILPPIKVMVALG EEDLSI KMSDRGGGVPLRKIERLFSYMYSTAPTPQPGTGGTPLAGFGYGLPISRLYAKYFQG DLQLFSME GFGTDAVIYLLKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVSTEPKNTSTYRV

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	STRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	PDK2 pyruvate dehydrogenase kinase 2 [Homo sapiens (human)]
Official Symbol	PDK2
Synonyms	PDHK2; PDKII
Gene ID	5164
mRNA Refseq	NM_002611.5
Protein Refseq	NP_002602.2

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MIM 602525

UniProt ID Q15119



Coomassie blue staining of purified PDK2 protein.

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