

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	<p>MRVWVALLKNASLAGAPKYIEHFSKFSPSPLSMKQFLDFGSSNACEKTSFTFLRQE LPVRLANIMKEINL LPDRLVSTPSVQLVQSWYVQSLLDIMEFLDKDPEDHRTLSQFT DALVTIRNRHNDVVPTMAQGVLEYKDT YGDDPVSNQNIQYFLDRFYLSRISIRMLIN QHTLIFDGSTNPAHPKHIGSIDPNCNVSEVVKDAYDMAKL LCDKYMASPDLEIQEIN AANSKQPIHMVYVPSHLYHMLFELFKNAMRATVESHESSLILPPIKVMVALG EEDLSI KMSDRGGGVPLRKIERLFSYMYSTAPTPQPGTGGTPLAGFGYGLPISRLYAKYFQG DLQLFSME GFGTDAVIYLLKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVSTEPKNTSTYRV</p>

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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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