

Recombinant Human PDK2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDK2-3199H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PDK2 MS Standard C13 and N15-labeled recombinant protein (NP_002602) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	46.2 kDa
AA Sequence	MRVWVALLKNASLAGAPKYIEHFSKFSPSPLSMKQFLDFGSSNACEKTSFTFLRQE LPVRLANIMKEINLLPDRVLSTPSVQLVQSWYVQSLLDIMEFLDKDPEDHRTLSTQFTD ALVTIRNRHNDVVPTMAQGVLEYKDTYGDDPVSNNQNIQYFLDRFYLSRISIRMLINQH TLIFDGSTNPAHPKHIGSIDPNCNVSEVVKDAYDMAKLLCDKYMASPDLEIQEINAA NSKQPIHVMVYVPSHLYHMLFELFKNAMRATVESHESSLIPPIKVMVALGEEDLSIKM SDRGGGVPLRKIERLFSYMYSTAPTPQPGTGGTPLAGFGYGLPISRLYAKYFQGDL QLFSMEGFGTDAVIYLKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVSTEPKN TSTYRVSTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	PDK2 pyruvate dehydrogenase kinase 2 [Homo sapiens (human)]
Official Symbol	PDK2
Synonyms	PDK2; pyruvate dehydrogenase kinase, isozyme 2; pyruvate dehydrogenase kinase, isoenzyme 2; PDHK2; pyruvate dehydrogenase, lipoamide, kinase isozyme 2, mitochondrial;
Gene ID	5164
mRNA Refseq	NM_002611
Protein Refseq	NP_002602
MIM	602525
UniProt ID	Q15119

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SDS-PAGE

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