

Product datasheet for **TP305937L**

PDK2 (NM_002611) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pyruvate dehydrogenase kinase, isozyme 2 (PDK2), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC205937 protein sequence Red =Cloning site Green =Tags(s)

MRVWVALLKNASLAGAPKYIEHFSKFSPSPLSMKQFLDFGSSNACEKTSFTFLRQELPVRLANIMKEINL
LPDRVLSTPSVQLVQSWYVQSLLDIMEFLDKDPEDHRTLSQLFTDALVTIRNRHNDVPTMAQGVLEYKDT
YGDPPVSNQNIQYFLDRFYLSRISIRMLINQHTLIFDGSTNPAHPKHIGSIDPNCNVSEVVKDAYDMAKL
LCDKYMASPDLEIQEINAANSKQPIHMYVYVPSHLYHMLFELFKNAMRATVESHESLILPPIKVMVALG
EEDLSIKMSDRGGGVPLRKIERLFSYMYSTAPTPQPGTGGTPLAGFGYGLPISRLYAKYFQGDLQLFSME
FGFTDAVIYLKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVPSTEPKNTSTYRVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	46 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002602
Locus ID:	5164



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UniProt ID: [Q15119](#)

RefSeq Size: 2674

Cytogenetics: 17q21.33

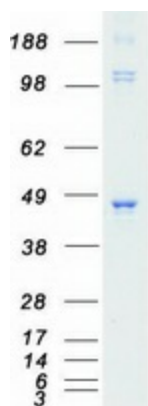
RefSeq ORF: 1221

Synonyms: PDHK2; PDKII

Summary: 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. [provided by RefSeq, Dec 2010]

Protein Families: Druggable Genome, Protein Kinase

Product images:



Coomassie blue staining of purified PDK2 protein (Cat# [TP305937]). The protein was produced from HEK293T cells transfected with PDK2 cDNA clone (Cat# [RC205937]) using MegaTran 2.0 (Cat# [TT210002]).