

Product datasheet for PH305937

OriGene Technologies, Inc.

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PDK2 (NM 002611) Human Mass Spec Standard

Product data:

Product Type: Mass Spec Standards

Description: PDK2 MS Standard C13 and N15-labeled recombinant protein (NP_002602)

Species: Human
Expression Host: HEK293

Expression cDNA Clone

or AA Sequence:

RC205937

Predicted MW: 46.2 kDa

Protein Sequence: >RC205937 protein sequence

Red=Cloning site Green=Tags(s)

MRWVWALLKNASLAGAPKYIEHFSKFSPSPLSMKQFLDFGSSNACEKTSFTFLRQELPVRLANIMKEINL LPDRVLSTPSVQLVQSWYVQSLLDIMEFLDKDPEDHRTLSQFTDALVTIRNRHNDVVPTMAQGVLEYKDT YGDDPVSNQNIQYFLDRFYLSRISIRMLINQHTLIFDGSTNPAHPKHIGSIDPNCNVSEVVKDAYDMAKL LCDKYYMASPDLEIQEINAANSKQPIHMVYVPSHLYHMLFELFKNAMRATVESHESSLILPPIKVMVALG EEDLSIKMSDRGGGVPLRKIERLFSYMYSTAPTPQPGTGGTPLAGFGYGLPISRLYAKYFQGDLQLFSME

GFGTDAVIYLKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVPSTEPKNTSTYRVS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Concentration: >0.05 µg/µL as determined by microplate BCA method

Labeling Method: Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3

Storage: Store at -80°C. Avoid repeated freeze-thaw cycles.

Stability: Stable for 3 months from receipt of products under proper storage and handling conditions.

RefSeq: NP 002602

RefSeq Size: 2674 RefSeq ORF: 1221

Synonyms: PDHK2; PDKII

Locus ID: 5164



PDK2 (NM_002611) Human Mass Spec Standard - PH305937

 UniProt ID:
 Q15119

 Cytogenetics:
 17q21.33

Summary: This gene encodes a member of the pyruvate dehydrogenase kinase family. The encoded

protein phosphorylates pyruvate dehydrogenase, down-regulating the activity of the

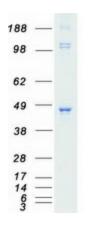
mitochondrial pyruvate dehydrogenase complex. Overexpression of this gene may play a role

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]).