

## Product datasheet for PH305937

### 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)

MRVWVALLKNASLAGAPKYIEHFSKFSPLSMKQFLDFGSSNACEKTSFTFLRQELPVRLANIMKEINL  
LPDRVLTSPSVQLVQSWYVQSLLDIMEFLDKDPEDHRTL SQFTDALVTIRNRHNDVVPMAQGVLEYKDT  
YGDPPVSNQNIQYFLDRFYLSRISIRMLINQHTLIFDGSTNPAHPKHIGSIDPNCNVSEVVKDAYDMAKL  
LCDKYMASPDLEIQEINAANSKQPIHMYVPSHLYHMLFELFKNAMRATVESHESSLILPPIKVMVALG  
EEDLSIKMSDRGGVPLRKIERLFSYMYSTAPTPQPGTGGTLAGFGYGLPISRLYAKYFQGDQLQFSME  
GFGTDAVIYKALSTDSVERLPVYNKSAWRHYQTIQEAGDWCVPSTEPKNTSTYRVS

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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:	<u><a href="#">NP_002602</a></u>
RefSeq Size:	2674
RefSeq ORF:	1221
Synonyms:	PDHK2; PDKII
Locus ID:	5164



[View online »](#)

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]).