

## Product datasheet for PH300975

### PDXK (NM\_003681) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PDXK MS Standard C13 and N15-labeled recombinant protein (NP_003672)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200975
Predicted MW:	35.1 kDa
Protein Sequence:	>RC200975 protein sequence Red=Cloning site Green=Tags(s)  MEEECRVLSIQSHVIRGYVGNRAATFPLQVLGFEIDAVNSVQFSNHTGYAHWKGQVLSDELQELYEGLR LNNMKNYDYVLTGYTRDKSFLAMVVDIVQELKQQNPRLVYVCDPVLGDKWDGEGSMYVPEDLLPVYKEKV VPLADIIITPNQFEAELLSGRKIHSQEEALRVMDMLHSMGPDVVITSSDLPSPQGSNYLIVLGSQRRRNP AGSVVMERIRMDIRKVDVAVFGTGDLFAAMLLAWTHKHPNMLKVACEKTVSTLHHVLRQRTIQCAKAQAGE GVRPSMQLELRMVQSKRDIEDPEIVVQATVL  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_003672</a></u>
RefSeq Size:	7390
RefSeq ORF:	936
Synonyms:	C21orf97; C21orf124; HEL-S-1a; HMSN6C; PKH; PNK; PRED79
Locus ID:	8566



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UniProt ID: [O00764](#), [V9HWC3](#)

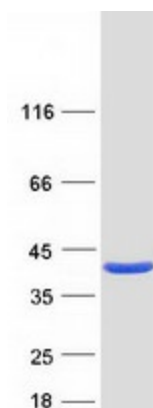
Cytogenetics: 21q22.3

**Summary:** The protein encoded by this gene phosphorylates vitamin B6, a step required for the conversion of vitamin B6 to pyridoxal-5-phosphate, an important cofactor in intermediary metabolism. The encoded protein is cytoplasmic and probably acts as a homodimer. Alternatively spliced transcript variants have been described, but their biological validity has not been determined. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome

**Protein Pathways:** Metabolic pathways, Vitamin B6 metabolism

### Product images:



Coomassie blue staining of purified PDXK protein (Cat# [TP300975]). The protein was produced from HEK293T cells transfected with PDXK cDNA clone (Cat# [RC200975]) using MegaTran 2.0 (Cat# [TT210002]).