

Product datasheet for **TP300975M**

PDXK (NM_003681) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human pyridoxal (pyridoxine, vitamin B6) kinase (PDXK), 100 µg

Species: Human

Expression Host: HEK293T

**Expression cDNA Clone
or AA Sequence:** >RC200975 protein sequence
Red=Cloning site **Green**=Tags(s)

MEEECRVLSIQSHVIRGYVGNRAATFPLQVLGFEIDAVNSVQFSNHTGYAHWKQVQLNSDELQELYEGLR
LNNMNKYDYVLTGYTRDKSFLAMWVDIVQELKQQNPRLVYVCDPVLGDKWDGEGSMYVPEDLLPVYKEKV
VPLADIITPNQFEALLSGRKIHSQEEALRVMDMLHSMGPDTVITSSDLPSQGSNYLIVLGSQRRRNP
AGSVVMERIRMDIRKVDVAVFGTGD LFAAMLLAWTHKHPNNLKVACEKTVSTLHHVLQRTIQCAKAQAGE
GVRPSMQLELRMVQSKRDIEDPEIVVQATVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 34.9 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_003672](#)

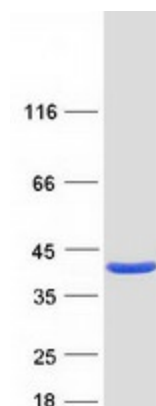
Locus ID: 8566



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UniProt ID:	O00764 , V9HWC3
RefSeq Size:	7390
Cytogenetics:	21q22.3
RefSeq ORF:	936
Synonyms:	C21orf97; C21orf124; HEL-S-1a; HMSN6C; PKH; PNK; PRED79
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]).