

## Product datasheet for **TP301656M**

### **PDK4 (NM\_002612) Human Recombinant Protein**

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human pyruvate dehydrogenase kinase, isozyme 4 (PDK4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC201656 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MKAARFVLR SAGSLNGAGLVPREVEHFSRYSPSPLSMKQLLD FGSEACERTSFAFLRQELPVRLANILK EIDILPTQLVNTSSVQLVKSWYIQSLMDLVEFHEKSPDDQKALSDFVDTLIKVRNRHHNVPTMAQGIIE YKDACTVDPVTNQNLQYFLDRFYMN RISTRMLMNQHILIFSDSQTGNPSHIGSIDPNCDDVAVVQDAFEC SRMLCDQYYLSSPELKLTVNGKFPDQPIHIVYVPSHLHHMLFELFKNAMRATVEHQENQPSLTPIEVIV VLGKEDLTIKISDRGGGVPLRIIDRLFSYTYSTAPTPVMDNSRNAPLAGFGYGLPISRLYAKYFQGDNLN YLSG YGTD AIIYLKALSSSEIEKLPVFNKSAFKHYQMSSEADDWCIPSREPKNLAKEVAM
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	46.3 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:	<a href="#">NP_002603</a>
Locus ID:	5166



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UniProt ID: [Q16654](#), [A4D1H4](#)

RefSeq Size: 3710

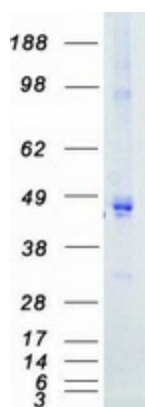
Cytogenetics: 7q21.3

RefSeq ORF: 1233

**Summary:** This gene is a member of the PDK/BCKDK protein kinase family and encodes a mitochondrial protein with a histidine kinase domain. This protein is located in the matrix of the mitochondria and inhibits the pyruvate dehydrogenase complex by phosphorylating one of its subunits, thereby contributing to the regulation of glucose metabolism. Expression of this gene is regulated by glucocorticoids, retinoic acid and insulin. [provided by RefSeq, Jul 2008]

**Protein Families:** Druggable Genome, Protein Kinase

### Product images:



Coomassie blue staining of purified PDK4 protein (Cat# [TP301656]). The protein was produced from HEK293T cells transfected with PDK4 cDNA clone (Cat# [RC201656]) using MegaTran 2.0 (Cat# [TT210002]).