

## Product datasheet for TP506565

### Pdk3 (NM\_145630) Mouse Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse pyruvate dehydrogenase kinase, isoenzyme 3 (Pdk3), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR206565 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MRLFYRLLKQVPVKQIERYSRFSPLSIKQFLDFGRDNACEKTSYMFRLKELPVRLANTMREVNLLPDN  
LLNRPSVGLVQSWYMQSFLELLEYENKSPEDPRVLDNFLNVLINIRNRHNDVVPTMAQGVIEYKEKFGFD  
PFISSNIQYFLDRFYTNRISFRMLINQHTLLFGGDTNPAHPKHIGSIDPTCNVADVVKDAYETAKMLCEQ  
YYLVAPELEVEEFNAKAPNKPIQVVVPSHLFHMFLFELFKNSMRATVELHEDKKEGYPAVKTLVTLGKED  
LSIKISDLGGGVPLRKIDRLFNYMYSTAPRPSLEPTRAAPLAGFGYGLPISRLYARYFQGDLKLYSMEGV  
GTDAVIYLKALSSEFERLPVFNKSAWRHYKTTPEADDWSNPSSEPRDASKYKAKQDKIKSNRTF

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-MYC/DDK
Predicted MW:	47.9 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
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 after receiving vials.
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_663605</a>
Locus ID:	236900
UniProt ID:	<a href="#">Q922H2</a> , <a href="#">Q4FJR4</a>



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RefSeq Size: 2000

Cytogenetics: X C3

RefSeq ORF: 1248

Synonyms: 2610001M10Rik; AI035637

**Summary:** Inhibits pyruvate dehydrogenase activity by phosphorylation of the E1 subunit PDHA1, and thereby regulates glucose metabolism and aerobic respiration. Can also phosphorylate PDHA2. Decreases glucose utilization and increases fat metabolism in response to prolonged fasting, and as adaptation to a high-fat diet. Plays a role in glucose homeostasis and in maintaining normal blood glucose levels in function of nutrient levels and under starvation. Plays a role in the generation of reactive oxygen species (By similarity).[UniProtKB/Swiss-Prot Function]