



Recombinant Mouse [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial (Pdk3), partial

Product Code	CSB-EP852852MO
Relevance	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
Abbreviation	Recombinant Mouse Pdk3 protein, partial
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q922H2
Product Type	Recombinant Proteins
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	IEYKEKFGFDPPFISSNIQYFLDRFYTNRISFRMLINQHTLLFGGDTNPAHPKHIGS IDPTCNVADVVKDAYETAKMLCEQYYLVAPELEVEEFNAKAPNKPIQVVVYVPS HLFHMLFELFKNSMRATVELHEDKKEGYPAVKTLVTLGKEDLSIKISDLGGGVP LRKIDRLFNYMYSTAPRPSLEPTRAAPLAGFGYGLPISRLYARYFQGDLKLYSM EGVGTDAVIYLKALS
Research Area	Signal Transduction
Source	E.coli
Target Names	Pdk3
Protein Names	Recommended name: [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 3, mitochondrial EC= 2.7.11.2Alternative name(s): Pyruvate dehydrogenase kinase isoform 3
Expression Region	131-362aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	30.3kDa
Protein Length	Partial

