

[Pyruvate dehydrogenase [lipoamide]] kinase isozyme 3, mitochondrial (Pdk3), partial Recombinant Protein | Pdk3 recombinant protein

Recombinant Mouse [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 3, mitochondrial (Pdk3), partial

CATALOG # AAA117141	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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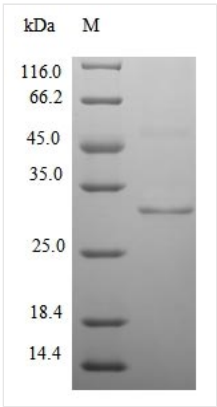
PRODUCT SYNONYMS

[Pyruvate dehydrogenase [lipoamide]] kinase isozyme 3; mitochondrial (Pdk3); partial; Recombinant Mouse [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 3; mitochondrial; EC=2.7.11.2; Pyruvate dehydrogenase kinase isoform 3; Pdk3 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	131-362aa; Partial
Sequence	IEYKEKFGFD PFISSNIQYF LDRFYTNRIS FRMLNQHTL LFGGDTNPAH PKHIGSIDPT CNVADVVKDA YETAKMLCEQ YYLVAPELEV EEFNAKAPNK PIQVVYVPSH LFHMLFELFK NSMRATVELH EDKKEGYPAV KTLVTLGKED LSIKISDLGG GVPLRKIDRL FNYMYSTAPR PSLEPTRAAP LAGFGYGLPI SRLYARYFQG DLKLYSMEGV GTDAVIYLKA LS
Sequence Length	362
Species	Mus musculus (Mouse)
Production Note	Special Offer: The E Coli host-expressed protein is manufactured from a stock plasmid containing the protein gene. E Colihost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The E Coli host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select E Coli host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for Pdk3 recombinant protein	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
Product Categories/Family for Pdk3 recombinant protein	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	21704122
NCBI GeneID	236900
NCBI Accession #	NP_663605.1
NCBI GenBank Nucleotide #	NM_145630.2
UniProt Accession #	Q922H2; Q8BTX1
Molecular Weight	30.3 kDa
NCBI Official Full Name	pyruvate dehydrogenase kinase, isozyme 3
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase, isoenzyme 3
NCBI Official Symbol	Pdk3
NCBI Official Synonym Symbols	AI035637; 2610001M10Rik
NCBI Protein Information	pyruvate dehydrogenase kinase, isozyme 3; pyruvate dehydrogenase kinase 3; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 3, mitochondrial; [Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial
UniProt Protein Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 3, mitochondrial
UniProt Gene Name	Pdk3
UniProt Entry Name	PDK3_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.