

[Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1, mitochondrial (Pdk1) Recombinant Protein | Pdk1 recombinant protein

Recombinant Mouse [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1, mitochondrial (Pdk1)

CATALOG # AAA116717	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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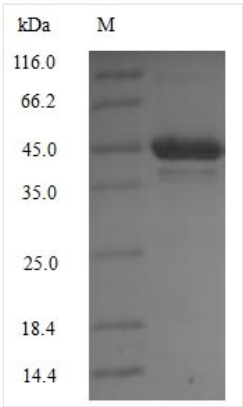
PRODUCT SYNONYMS

[Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1; mitochondrial (Pdk1); Recombinant Mouse [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 1; Pdk1 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	27-434aa; Full Length of Mature Protein
Sequence	ASASASGSGP ASELGVPGQV DFYARFSPSP LSMKQFLDFG SVNACEKTSF MFLRQELPVR LANIMKEISL LPDNLRLTPS VQLVQSWYIQ SLQELLDFKD KSAEDAKTIY EFTDTVIRIR NRHNDVIPTM AQQVTEYKES FGVDPVTSQN VQYFLDRFYM SRISIRMLLN QHSLLFGGKG SPSHRKHIGS INPNCDVVEV IKDGYENARR LCDLYYVNSP ELELEELNAK SPGQTIQVVY VPSHLYHMFV ELFKNAMRAT MEHHADKGVY PPIQVHVTLG EEDLTVKMSD RGGGVPLRKI DRLFNYMYST APRPRVETSR AVPLAGFGYG LPISRLYAQY FQGDCLKLYSL EGYGTDAVIY IKALSTESVE RLPVYNKAAW KHYKANHEAD DWCVPSREPK DMTTFRSS
Sequence Length	434
Species	Mouse
Production Note	Special Offer: The Baculovirus host-expressed protein is manufactured from a stock plasmid containing the protein gene. Baculovirus host-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 Baculovirus 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 Baculovirus 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 Pdk1 recombinant protein	Pyruvate dehydrogenase (PDH) is a mitochondrial multienzyme complex that catalyzes the oxidative decarboxylation of pyruvate and is one of the major enzymes responsible for the regulation of homeostasis of carbohydrate fuels in mammals. The enzymatic activity is regulated by a phosphorylation dephosphorylation cycle. Phosphorylation of PDH by a specific pyruvate dehydrogenase kinase (PDK) results in inactivation.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	110625975
NCBI GeneID	228026
NCBI Accession #	NP_766253.2
NCBI GenBank Nucleotide #	NM_172665.5
UniProt Accession #	Q8BFP9; Q3U5E5
Molecular Weight	48.7 kDa
NCBI Official Full Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial isoform 1
NCBI Official Synonym Full Names	pyruvate dehydrogenase kinase, isoenzyme 1
NCBI Official Symbol	Pdk1
NCBI Official Synonym Symbols	B830012B01; D530020C15Rik
NCBI Protein Information	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial; pyruvate dehydrogenase kinase, isozyme 1
UniProt Protein Name	[Pyruvate dehydrogenase (acetyl-transferring)] kinase isozyme 1, mitochondrial
UniProt Gene Name	Pdk1
UniProt Synonym Gene Names	PDH kinase 1

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.