

Recombinant Human PDK3, His-tagged

Cat. No. PDK3-652H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDK3 with a His tag is expressed in <i>Bacteria</i> and column-purified.
Species	Human
Source	E.coli
Description	PDH kinases (PDK"s) deactivate PDH by reversible phosphorylation. In humans and rodents, 4 PDK"s are present in an organ-dependent manner. In all cases, PDK"s are physically part of the PDH complex (binding via lipoyl domain 2 of E2), and they phosphorylate the E1 subunit at 3 specific serine residues. PDH phosphatases remove the phosphorylation and restore activity of PDH.
Storage	Store at -80°C.

GENE INFORMATION

Gene Name	PDK3 pyruvate dehydrogenase kinase, isozyme 3 [<i>Homo sapiens</i>]
Synonyms	PDK3; pyruvate dehydrogenase kinase, isozyme 3; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 3, mitochondrial; pyruvate dehydrogenase kinase, isoenzyme 3; pyruvate dehydrogenase, lipoamide, kinase isozyme 3, mitochondrial; EC 2.7.11.2
Gene ID	5165

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mRNA Refseq	NM_001142386
Protein Refseq	NP_001135858
MIM	602526
UniProt ID	Q15120
Chromosome Location	Xp22.11
Pathway	Integration of energy metabolism; Pyruvate metabolism and Citric Acid (TCA) cycle
Function	ATP binding; nucleotide binding; protein heterodimerization activity; pyruvate dehydrogenase (acetyl-transferring) kinase activity; protein homodimerization activity; transferase activity; two-component sensor activity
PDB rendering based on 1y8n.	