

Recombinant Human PDK2, His-tagged

Cat. No. PDK2-651H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDK2 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.

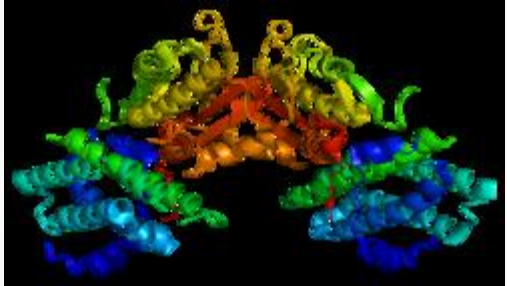
GENE INFORMATION

Gene Name	PDK2 pyruvate dehydrogenase kinase, isozyme 2 [<i>Homo sapiens</i>]
Synonyms	PDK2; pyruvate dehydrogenase kinase, isozyme 2; [Pyruvate dehydrogenase [lipoamide]] kinase isozyme 2, mitochondrial; pyruvate dehydrogenase kinase, isoenzyme 2; pyruvate dehydrogenase, lipoamide, kinase isozyme 2, mitochondrial; PDHK2; EC 2.7.11.2
Gene ID	5164

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_002611
Protein Refseq	NP_002602
MIM	602525
UniProt ID	Q15119
Chromosome Location	17q21.33
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 1jm6.	

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