

Recombinant Human PDK1 protein(Ser29-Ala436), His-tagged

Cat. No. PDK1-904H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDK1 (NP_002601.1) (Ser 29-Ala 436) was expressed in Insect Cells, with a polyhistidine tag at the N-terminus.
Species	Human
Source	Insect Cells
ProteinLength	29-436 a.a.
Form	Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.5, 10% glycerol. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Molecular Mass	The recombinant human PDK1 consists of 427 amino acids and has a calculated molecular mass of 48.6 kDa. It migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method
Purity	> 90 % as determined by SDS-PAGE
Storage	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

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1/2

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Reconstitution

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name	PDK1 pyruvate dehydrogenase kinase, isozyme 1 [Homo sapiens]
Official Symbol	PDK1
Synonyms	PDK1; pyruvate dehydrogenase kinase, isozyme 1; pyruvate dehydrogenase kinase, isoenzyme 1; mitochondrial pyruvate dehydrogenase, lipoamide, kinase isoenzyme 1;
Gene ID	5163
mRNA Refseq	NM_002610
Protein Refseq	NP_002601
MIM	602524
UniProt ID	Q15118

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2/2

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