Recombinant Human PDP1, His-tagged

Cat. No. PDP1-698H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDP1 with a His tag is expressed in*Bacteria*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	PDP1 pyruvate dehyrogenase phosphatase catalytic subunit 1 [Homo sapiens]
Synonyms	PDP1; pyruvate dehyrogenase phosphatase catalytic subunit 1; PDP 1; PDPC 1; [Pyruvate dehydrogenase [acetyl-transferring]]-phosphatase 1, mitochondrial; protein phosphatase 2C, magnesium-dependent, catalytic subunit; pyruvate dehydrogenase (Lipoamide) phosphatase-phosphatase; pyruvate dehydrogenase phosphatase catalytic subunit 1; PDH; PDP; PDPC; PPM2C; FLJ32517; FLJ56179; MGC119646; EC 3.1.3.43

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Gene ID	54704
mRNA Refseq	NM_001161778
Protein Refseq	NP_001155250
MIM	605993
UniProt ID	Q9P0J1
Chromosome Location	8q22.1
Pathway	Integration of energy metabolism; Pyruvate metabolism and Citric Acid (TCA) cycle
Function	[pyruvate dehydrogenase (lipoamide)] phosphatase activity; calcium ion binding; hydrolase activity; magnesium-dependent protein serine/threonine phosphatase activity; protein complex binding

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