

Recombinant Human PCK1, His-tagged

Cat. No. PCK1-1576H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCK1 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	274-622aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM Imidazole and 0.7% Sarcosyl, 15%glycerol.

GENE INFORMATION

Gene Name	PCK1 phosphoenolpyruvate carboxykinase 1 (soluble) [Homo sapiens]
Official Symbol	PCK1
Synonyms	PCK1; phosphoenolpyruvate carboxykinase 1 (soluble); phosphoenolpyruvate carboxykinase, cytosolic [GTP]; PEPCK C; PEP carboxykinase; phosphopyruvate carboxylase; phosphoenolpyruvate carboxylase; phosphoenolpyruvate carboxykinase, cytosolic; PEPCK1; PEPCKC; PEPCK-C; MGC22652;

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Gene ID	5105
mRNA Refseq	NM_002591
Protein Refseq	NP_002582
MIM	614168
UniProt ID	P35558
Chromosome Location	20q13.31
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Citrate cycle (TCA cycle), organism-specific biosystem; Citrate cycle (TCA cycle), conserved biosystem; Developmental Biology, organism-specific biosystem; FOXA2 and FOXA3 transcription factor networks, organism-specific biosystem;
Function	GDP binding; GTP binding; carboxylic acid binding; lyase activity; magnesium ion binding; manganese ion binding; phosphoenolpyruvate carboxykinase (GTP) activity; purine nucleotide binding;