

## Recombinant Human PCK1, His-tagged

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

### SPECIFICATION

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

### GENE INFORMATION

<b>Gene Name</b>	PCK1 phosphoenolpyruvate carboxykinase 1 (soluble) [ Homo sapiens ]
<b>Official Symbol</b>	PCK1
<b>Synonyms</b>	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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<b>Gene ID</b>	5105
<b>mRNA Refseq</b>	NM_002591
<b>Protein Refseq</b>	NP_002582
<b>MIM</b>	614168
<b>UniProt ID</b>	P35558
<b>Chromosome Location</b>	20q13.31
<b>Pathway</b>	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;
<b>Function</b>	GDP binding; GTP binding; carboxylic acid binding; lyase activity; magnesium ion binding; manganese ion binding; phosphoenolpyruvate carboxykinase (GTP) activity; purine nucleotide binding;

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