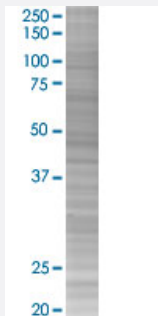


PCK1 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00005105-T02

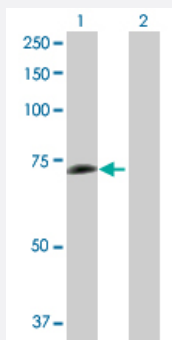
Size 100 uL

Applications



SDS-PAGE Gel

PCK1 transfected lysate.



Western Blot

Lane 1: PCK1 transfected lysate (69.20 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line 293T

Plasmid pCMV-PCK1 full-length

Host Human

Theoretical MW (kDa) 69.2

Quality Control Testing Transient overexpression cell lysate was tested with Anti-PCK1 antibody ([H00005105-D01P](#)) by Western Blots.
 SDS-PAGE Gel
 PCK1 transfected lysate.
 Western Blot
 Lane 1: PCK1 transfected lysate (69.20 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer	1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — PCK1

Entrez GeneID	5105
GeneBank Accession#	NM_002591
Protein Accession#	NP_002582.2
Gene Name	PCK1
Gene Alias	MGC22652, PEPCK-C, PEPCK1, PEPCKC
Gene Description	phosphoenolpyruvate carboxykinase 1 (soluble)
Omim ID	261680
Gene Ontology	Hyperlink
Gene Summary	This gene is a main control point for the regulation of gluconeogenesis. The cytosolic enzyme encoded by this gene, along with GTP, catalyzes the formation of phosphoenolpyruvate from oxaloacetate, with the release of carbon dioxide and GDP. The expression of this gene can be regulated by insulin, glucocorticoids, glucagon, cAMP, and diet. Defects in this gene are a cause of cytosolic phosphoenolpyruvate carboxykinase deficiency. A mitochondrial isozyme of the encoded protein also has been characterized. [provided by RefSeq]
Other Designations	OTTHUMP00000031374 PEP carboxykinase cytosolic phosphoenolpyruvate carboxykinase 1 phosphoenolpyruvate carboxylase phosphopyruvate carboxylase

Pathway

- [Adipocytokine signaling pathway](#)
- [Citrate cycle \(TCA cycle\)](#)
- [Glycolysis / Gluconeogenesis](#)

- [Insulin signaling pathway](#)
- [Metabolic pathways](#)
- [PPAR signaling pathway](#)
- [Pyruvate metabolism](#)

Disease

- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cognition](#)
- [Diabetes Mellitus](#)
- [Drug Toxicity](#)
- [Edema](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Hypertension](#)
- [Kidney Failure](#)
- [Metabolic Syndrome X](#)
- [Renal Insufficiency](#)
- [Schizophrenia](#)
- [Werner syndrome](#)