



Human PCK2 peptide (DAG-P1737)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Antigen Description	This gene encodes a mitochondrial enzyme that catalyzes the conversion of oxaloacetate to phosphoenolpyruvate in the presence of guanosine triphosphate (GTP). A cytosolic form of this protein is encoded by a different gene and is the key enzyme of gluconeogenesis in the liver. Alternatively spliced transcript variants have been described. [provided by RefSeq, Apr 2014]
Purity	70 - 90% by HPLC.
Conjugate	Unconjugated
Sequence Similarities	Belongs to the phosphoenolpyruvate carboxykinase [GTP] family.
Format	Liquid
Preservative	None
Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C or -80°C. Avoid repeated freeze / thaw cycles. Information available upon request.

GENE INFORMATION

Gene Name	PCK2 phosphoenolpyruvate carboxykinase 2 (mitochondrial) [Homo sapiens (human)]
Official Symbol	PCK2
Synonyms	PCK2; phosphoenolpyruvate carboxykinase 2 (mitochondrial); PEPCK; PEPCK2; PEPCK-M; phosphoenolpyruvate carboxykinase [GTP], mitochondrial; PEP carboxykinase; phosphopyruvate carboxylase; phosphoenolpyruvate carboxylase;
Entrez Gene ID	5106
mRNA Refseq	NM_001018073.2

Protein Refseq	NP_001018083.2
Chromosome Location	14q11.2
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; DNA damage response (only ATM dependent), organism-specific biosystem; FoxO signaling pathway, organism-specific biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem; Gluconeogenesis, organism-specific biosystem
Function	GTP binding; metal ion binding; phosphoenolpyruvate carboxykinase (GTP) activity; phosphoenolpyruvate carboxykinase activity; protein binding;