

Datasheet for ABIN668008

PCK1 Protein (AA 1-622) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	50 µg
Target:	PCK1
Protein Characteristics:	AA 1-622
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This PCK1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	PCK1, 1-622aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

Target Details

Target:	PCK1
Alternative Name:	PCK1 (PCK1 Products)
Background:	Phosphoenolpyruvate carboxykinase 1, also known as PCK1, is a main control point for the regulation of gluconeogenesis. PCK1 plays an important role in this process by stimulating hepatic glucose production. The expression of PCK1 can be regulated by insulin, glucocorticoids, glucagon, cAMP, and diet. Modulation of the signals governing PCK1 levels presents a potential therapeutic approach to the treatment of Insulin resistance and

Target Details

consequently obesity. Recombinant human PCK1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: Phosphoenolpyruvate carboxykinase 1, PEPCK-C, PEPCK1, PEPCKC. NCBI no.: AAH23978

Molecular Weight: 71.7 kDa (646aa)

Pathways: [Positive Regulation of Peptide Hormone Secretion, Carbohydrate Homeostasis](#)

Application Details

Restrictions: For Research Use only

Handling

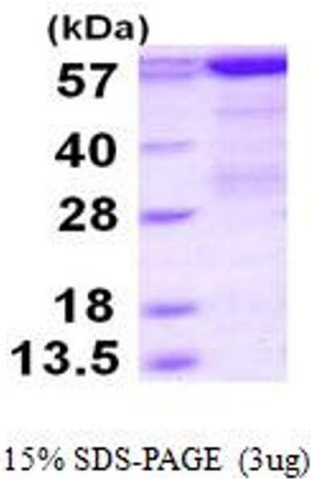
Format: Liquid

Concentration: 0.5 mg/ml (determined by Bradford assay)

Buffer: Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 10% glycerol, 0.1M NaCl

Storage: 4 °C

Images



SDS-PAGE

Image 1.