

## PC 抗原（重组蛋白）

中文名称： PC 抗原（重组蛋白）

英文名称： PC Antigen (Recombinant Protein)

别名： PCB

储存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 563-832 amino acids of human PC

技术规格

<b>Full name:</b>	Pyruvate carboxylase
<b>Synonyms:</b>	PCB
<b>Swissprot:</b>	P11498
<b>Gene Accession:</b>	BC011617
<b>Purity:</b>	>85%, as determined by Coomassie blue stained SDS-PAGE
<b>Expression system:</b>	Escherichia coli
<b>Tags:</b>	His tag C-Terminus, GST tag N-Terminus
<b>Background:</b>	This gene encodes pyruvate carboxylase, which requires biotin and ATP to catalyse the carboxylation of pyruvate to oxaloacetate. The active enzyme is a homotetramer arranged in a tetrahedron which is located exclusively in the mitochondrial matrix. Pyruvate carboxylase is involved in gluconeogenesis, lipogenesis, insulin secretion and synthesis of the neurotransmitter glutamate. Mutations in this gene have been associated with pyruvate carboxylase deficiency. Alternatively spliced transcript variants with different 5' UTRs, but encoding the same protein, have been found for this gene.