

PHKG2 抗原（重组蛋白）

中文名称：PHKG2 抗原（重组蛋白）

英文名称：PHKG2 Antigen (Recombinant Protein)

别名：GSD9C

储存：冷冻（-20℃）

相关类别：抗原

概述：

Fusion protein corresponding to a region derived from 207-406 amino acids of human PHKG2

技术规格：

Full name:	phosphorylase kinase catalytic subunit gamma 2
Synonyms:	GSD9C
Swissprot:	P15735
Gene Accession:	BC002541
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	Phosphorylase kinase is a polymer of 16 subunits, four each of alpha, beta, gamma and delta. The alpha subunit includes the skeletal muscle and hepatic isoforms, encoded by two different genes. The beta subunit is the same in both the muscle and hepatic isoforms, and encoded by one gene. The gamma subunit also includes the skeletal muscle and hepatic isoforms, and the hepatic isoform is encoded by this gene. The delta subunit is a calmodulin and can be encoded by three different genes. The gamma subunits contain the active site of the enzyme, whereas the alpha and beta subunits have regulatory functions controlled by phosphorylation. The delta subunit mediates the dependence of the enzyme on calcium concentra

tion. Mutations in this gene cause glycogen storage disease type 9 C, also known as autosomal liver glycogenosis. Alternatively spliced transcript variants encoding different isoforms have been identified in this gene.