

## GCK 抗原（重组蛋白）

中文名称： GCK 抗原（重组蛋白）

英文名称： GCK Antigen (Recombinant Protein)

别名： GK; GLK; HK4; HHF3; HKIV; HXKP; LGLK; MODY2; FGQTL3

储存： 冷冻（-20℃）

相关类别： 抗原

概述：

Fusion protein corresponding to a region derived from 84-290 amino acids of human GCK

技术规格：

<b>Full name:</b>	glucokinase (hexokinase 4)
<b>Synonyms:</b>	GK; GLK; HK4; HHF3; HKIV; HXKP; LGLK; MODY2; FGQTL3
<b>Swissprot:</b>	P35557
<b>Gene Accession:</b>	BC001890
<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>	Hexokinases phosphorylate glucose to produce glucose-6-phosphate, the first step in most glucose metabolism pathways. Alternative splicing of this gene results in three tissue-specific forms of glucokinase, one found in pancreatic islet beta cells and two found in liver. The protein localizes to the outer membrane of mitochondria. In contrast to other forms of hexokinase, this enzyme is not inhibited by its product glucose-6-phosphate but remains active while glucose is abundant. Mutations in this gene have been associated with non-insulin dependent diabetes mellitus (NIDDM), mat

urity onset diabetes of the young, type 2 (MODY2) and persistent hyperinsulinemic hypoglycemia of infancy (PHI).