

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：

Full name:	glucokinase (hexokinase 4)
Synonyms:	GK; GLK; HK4; HHF3; HKIV; HXKP; LGLK; MODY2; FGQTL3
Swissprot:	P35557
Gene Accession:	BC001890
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	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), maturity onset diabetes of the young, type 2 (MODY2) and persistent hyperinsulinemic hypoglycemia of infancy (PHHI).