

PGC 抗原（重组蛋白）

中文名称： PGC 抗原（重组蛋白）

英文名称： PGC Antigen (Recombinant Protein)

别 名： PEPC, PGII

储 存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 1-97 amino acids of human PGC

技术规格

Full name:	progastricsin (pepsinogen C)
Synonyms:	PEPC, PGII
Swissprot:	P20142
Gene Accession:	BC042578
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	This gene encodes an aspartic proteinase that belongs to the peptidase family A1. The encoded protein is a digestive enzyme that is produced in the stomach and constitutes a major component of the gastric mucosa. This protein is also secreted into the serum. This protein is synthesized as an inactive zymogen that includes a highly basic prosegment. This enzyme is converted into its active mature form at low pH by sequential cleavage of the prosegment that is carried out by the enzyme itself. Polymorphisms in this gene are associated with susceptibility to gastric cancers. Serum levels of this enzyme are used as a biomarker for certain gastric diseases including Helicobacter pylori related gastritis.

Alternate splicing results in multiple transcript variants. A pseudo gene of this gene is found on chromosome 1.