

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 p

rosegment 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.