

Native Human PGC

Cat. No. PGC-8318H **Lot. No.** (See product label)

SPECIFICATION

Product Overview Pepsinogen II (Pepsinogen C) was purified from Human Gastric Mucosa.

Species Human

Source Human

Description

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 pseudogene of this gene is found on chromosome 1.

Form Not lyophilised.

Purity Purified.

GENE INFORMATION

Gene Name PGC progastricsin (pepsinogen C) [Homo sapiens]

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Official Symbol	PGC
Synonyms	PGC; progastricsin (pepsinogen C); gastricsin; pepsin C; pepsinogen C; preprogastricsin; pepsinogen group II; PEPC; PGII; FLJ99563;
Gene ID	5225
mRNA Refseq	NM_001166424
Protein Refseq	NP_001159896
MIM	169740
UniProt ID	P20142
Chromosome Location	6p21.1
Function	aspartic-type endopeptidase activity; peptidase activity;

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