

Recombinant human Pepsinogen C / PGC protein, His

Catalog Number: bs-41229P

Concentration: >0.5 mg/ml

AA Seq: 16-388/388

Predicted MW: 40

Detected MW: 40 kDa

Tags: His

Activity: Not tested

Endotoxin: Not analyzed

Purity: >90% as determined by SDS-PAGE

Purification: AC

Form: Liquid

Storage: 20mM Tris-HCl with 2M Urea.

Stored at -70°C or -20°C. Avoid repeated freeze/thaw cycles.

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 pseudogene of this gene is found on chromosome 1. [provided by RefSeq].

VALIDATION IMAGES



The purity of the protein is greater than 45% as determined by reducing SDS-PAGE.