

Native Pepsinogen I (PGI) Protein from Human

Product Information

Cat#	NATE-1024
Synonyms	Pepsinogen I protein, PGI
CAS No.	92228-49-4
Size	0.1 mg, 1 mg
Descriptions	Pepsinogen (PG) is a precursor to pepsin and is classified into two subgroups based on its biochemical properties and immunogenicity: pepsinogen I (PGI) and pepsinogen II (PGII). Approximately 1% of pepsinogen enters the bloodstream and remains stable there. The levels of PG I and PG II in serum reflect the number of glands and cells in the gastric mucosa and indirectly reflect the secretory function of different regions of the gastric mucosa. Pepsinogen levels show varying degrees of change in various gastric diseases, providing reliable diagnostic value for clinical practice.
Applications	Pepsinogen 1 can serve as a primary cellular marker for fundic gland-type gastric cancer and is used to aid in the differential diagnosis of this type of cancer.
Source	Human gastric mucosa
Expression System	Human stomach
Form	Supplied as lyophilized powder in Tris-HCl buffer, pH 8.5. Reconstitute with 1 mL saline.
Purity	> 90% by SDS - PAGE
Unit Definition	One enzyme unit induces a ΔA_{280} change of 0.001 per minute at pH 2.0 and 37 °C.
Storage	Store at -20°C.
Shelf Life	3 years
Note	Non-reactive for HIV-1/HCV/HBV by NAT, HBsAg, HCV Ab, HIV 1&2 Ab and RPR by FDA approved methods. Since no test method can offer complete assurance of safety, use appropriate laboratory precautions.