

Active Native Human Pepsinogen I

Cat. No. PGA-130H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native Human Pepsinogen I was purified from Human Gastric Mucosa.
Species	Human
Source	Human Gastric Mucosa
Description	Human Pepsinogens are aspartic proteases produced in the gastric mucosa and secreted into the gastric lumen that play a major role in the digestion of proteins after activation of acidic pH. It is synthesized as isoymogens and are classified into two groups, Pepsinogen I and Pepsinogen II). Human PGA and PGC antigen have been investigated as a possible biomarker for early detection of, Gastric cancer (GC), adenoma (GA) and severe atrophic (diffuse or patchy) corpus gastritis.
Form	Lyophilized from tris-chloride, pH 8.5
Bio-activity	> 500 U/mg protein
Molecular Mass	45 kDa
Purity	> 90% (SDS-PAGE)
Unit Definition	One unit will produce a change in A280 of 0.001 per minute at pH 2.0 and 37°C, measured as TCA-soluble products from hemoglobin.
Stability	3 years

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Storage

-20 centigrade

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