

Pepsinogen I Active Protein

Pepsinogen I protein

CATALOG #
AAA75592

HOST
Human gastric mucosa

PRODUCT SYNONYMS

Pepsinogen I; Pepsinogen I protein; Native Pepsinogen I; Human Pepsinogen I protein; Pepsinogen 1; PG1; Pepsinogen I active protein

PRODUCT SPECIFICATIONS

Host	Human gastric mucosa
Purity/Purification	> 90% by SDS-PAGE
Form/Format	Lyophilized from Tris Chloride, pH 8.5.
Concentration	1.0mg, lyophilized (varies by lot)
Grade	Highly Pure
Species	Human
Protein Type	Native
Bioactivity	One unit will produce a change A280 of 0.001 per minute at pH 2.0 and 37 degree C.
Contaminants	Unknown
Specific Activity	≥ 500 U/mg (after activation). After reconstitution, maintain at or above pH 8.0 to avoid activation.
Biohazard	Non-reactive for HIV-1/HCV/HBV by NAT, HBsAg, HCV Ab, HIV 1&2 Ab, and RPR by currently approved FDA methods. Since no test method can offer complete assurance of safety, use appropriate laboratory precautions.
Preparation and Storage	Ships ambient or refrigerated. Upon receipt store at -20°C.

ADDITIONAL INFORMATION

Related Product Information for Pepsinogen I active protein	Pepsinogen is the precursor form of pepsin an enzyme released by the chief cells in the stomach and that degrades food proteins into peptides. Pepsin is one of three principal protein-degrading, or proteolytic, enzymes in the digestive system. During the process of digestion, these enzymes, each of which is specialized in severing links between particular types of amino acids, collaborate to break down dietary proteins into their components, i.e., peptides and amino acids, which can be readily absorbed by the intestinal lining.
Product Categories/Family for Pepsinogen I active protein	Proteases ; Inhibitors ; & Enzymes ; Native Protein

NCBI AND UNIPROT INFORMATION

Molecular Weight	45kDa
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For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.