

Pepsinogen C/PGC Protein, Human (His)

Cat. No.:	HY-P77131
Synonyms:	Gastricsin; Pepsinogen C; PGC; PEPC
Species:	Human
Source:	E. coli
Accession:	P20142 (I153-I239)
Gene ID:	5225
Molecular Weight:	Approximately 10 kDa

PROPERTIES

Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.2 μ m filtered solution of 50 mM Tris, 0.4M sucrose, 1 mM EDTA, 50 mM NaCl, pH 8.0. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
Endotoxin Level	<1 EU/ μ g, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 μ g/mL in ddH ₂ O.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	Pepsinogen C, also known as PGC protein, serves as a key enzyme with the ability to hydrolyze a diverse range of proteins. This enzymatic activity underscores its crucial role in the digestive process, as it participates in breaking down proteins into smaller peptides. PGC's proficiency in protein hydrolysis contributes significantly to the initial stages of digestion, playing a vital role in the overall digestive cascade.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA