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## Datasheet for ABIN2648120

### PGC Protein

#### Overview

Quantity:	100 µg
Target:	PGC
Origin:	Human
Source:	Human
Protein Type:	Native

#### Product Details

Characteristics:	Purified native Human Pepsinogen II protein Protein Source: Human stomach mucosa
Purity:	> 90 % pure

#### Target Details

Target:	PGC
Alternative Name:	Pepsinogen II ( <a href="#">PGC Products</a> )
Background:	<p>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.</p> <p>Description: Human stomach.</p> <p>Alternative Names: Pepsinogen protein</p>

## Target Details

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Molecular Weight: 40 kDa

## Application Details

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Application Notes: Each Investigator should determine their own optimal working dilution for specific applications.

Assay Procedure: Specific Activity: 5,900 U/mg protein (after activation). Unit Definition: One unit will produce absorbance 280 of 0.001 per minute at pH 2 and 37 °C, measured as TCA-soluble products from hemoglobin.

Restrictions: For Research Use only

## Handling

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Format: Lyophilized

Reconstitution: Reconstitute in 1 mL saline solution.

Buffer: 0.02 M K<sub>3</sub>PO<sub>4</sub>, pH 7.0, 0.12 M NaCl.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: -20 °C

Storage Comment: Aliquot and store at -20 °C.