

RP01735

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# Recombinant Human PG II ( PGC ) Protein

Catalog No.: RP01735 **Recombinant**

## Sequence Information

| Species      | Gene ID | Swiss Prot |
|--------------|---------|------------|
| HEK293 cells | 5225    | P20142     |

### Tags

C-6His

### Synonyms

PEPC; PGII;PG II (PGC)

## Product Information

### Source

Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

### Purification

≥ 95 % as determined by SDS-PAGE.

### Endotoxin

< 0.01 EU/μg of the protein by LAL method

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### Reconstitution

Centrifuge the vial before opening. Reconstitute to a concentration of

## Background

Pepsinogen C, also known as PGC, is an aspartic proteinase that belongs to the peptidase family A1. Pepsinogen C is synthesized in the gastric mucosa as inactive precursors, known as zymogens. Pepsinogen C contains a prosegment that serves to stabilize the inactive form and prevent entry of the substrate to the active site. At low PH conditions, Pepsinogen C undergoes conversion into active enzyme.

## Basic Information

### Description

Recombinant Human PG II (PGC) Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ala388) of human PG II (PGC) (Accession #NP\_002621.1) fused with a 6×His tag at the C-terminus.

### Bio-Activity

### Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

### Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

### Storage

Store at -20°C  
Avoid repeated freeze/thaw cycles.

0.1-0.5 mg/mL in sterile distilled water.  
Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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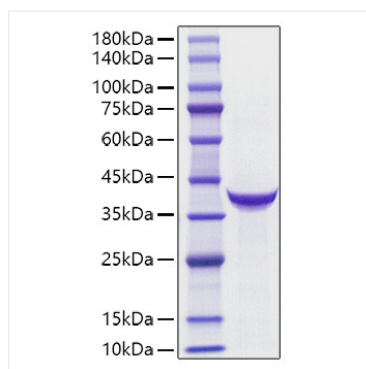


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## Validation Data

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Recombinant Human PG II ( PGC )  
Protein was determined by SDS-  
PAGE under reducing conditions with  
Coomassie Blue.