# Recombinant Human PG II（PGC） Protein

**Catalog No.: RP01735**

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## Sequence Information

**Species**
Human

**Gene ID**
5225

**Swiss Prot**
P20142

**Tags**
C-6His

**Synonyms**
PEPC; PGII;PG II (PGC)

## Product Information

**Source**
HEK293 cells

**Purification**
≥ 95 % as determined by SDS-PAGE.

**Calculated MW**
43.27 kDa

**Observed MW**
35-40 kDa

**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 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## 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.

**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.

**Storage**
Store at -20℃

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

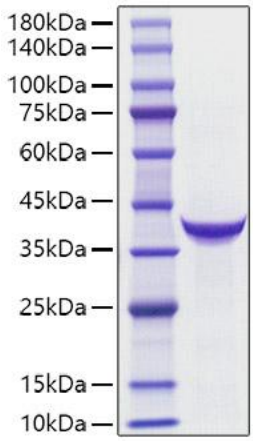
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## Validation Data




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