

Catalog No.: RP01735 **Recombinant**

Species	Gene ID	Swiss Prot
Human	5225	P20142

C-6His

PEPC: PGII:PG IIPGCI

Source	Purification
HEK293 cells	≥ 95 % as determined by SDS-PAGE

Calculated MW	Observed MW
43.27 kDa	35-40 kDa

< 0.01 EU/μg of the protein by LAL method

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

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.

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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.

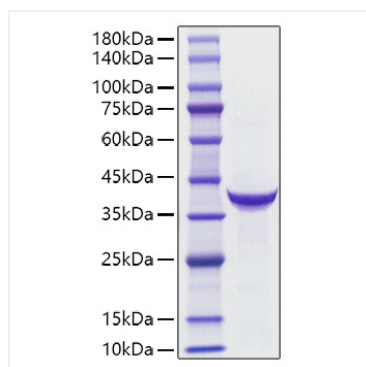
Recombinant Human PG II-PGC Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Ala388) of human PG II-PGC (Accession #NP_002621.1) fused with a 6×His tag at the C-terminus.

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

Validation Data



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