

RP02874

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# Recombinant Human CGB7 Protein

Catalog No.: RP02874 **Recombinant**

## Sequence Information

**Species**    **Gene ID**    **Swiss Prot**  
Baculovirus- 94027    P0DN87  
Insect Cells

### Tags

C-His

### Synonyms

CGB7;CG-beta-a;CGB6

## Product Information

**Source**                      **Purification**  
Baculovirus-Insect    ≥ 95 % as  
Cells                              determined by  
    SDS-PAGE.

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of 20mM Tris, 500mM NaCl, pH 7.4, 10% gly.

### 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 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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## Background

CGB7 (chorionic gonadotropin, beta polypeptide 7) belongs to the glycoprotein hormones subunit beta family. Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. CGB7 gene is a member of the glycoprotein hormone beta chain family and encodes the beta 7 subunit of chorionic gonadotropin (CG). CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy. The beta subunit of CG is encoded by 6 genes which are arranged in tandem and inverted pairs on chromosome 19q13.3 and contiguous with the luteinizing hormone beta subunit gene. CGB7 is used as adjunctive therapy in the treatment of obesity. CGB7 also stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy.

## Basic Information

### Description

Recombinant Human CGB7 Protein is produced by Baculovirus-Insect Cells expression system. The target protein is expressed with sequence (Met1-Gln165) of human CGB7 (Accession #NP\_149133.1) fused with 6×His tag at the C-terminus.

### Bio-Activity

### Shipping

The product is shipped at ambient temperature. 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.

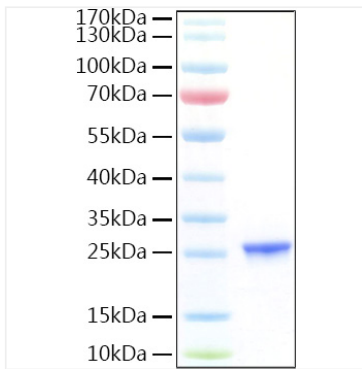
### Storage

Store at -20°C. 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.

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## Validation Data

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Recombinant Human CGB7 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.