

Recombinant Human CGB7 Protein

Catalog No.: RP02874

Sequence Information

Species **Gene ID**
Human 94027

Swiss Prot **Tags**
P0DN87 C-His

Synonyms
CGB7,CG-beta-a,CGB6

Product Information

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

Calculated MW **Observed MW**
17 kDa 25 kDa

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.

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.

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°C

Operational Notes

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

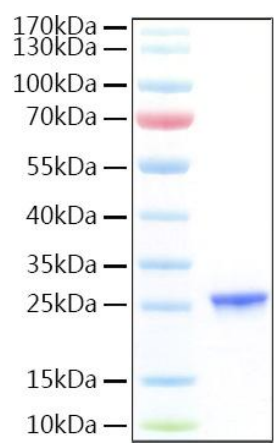
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Validation Data



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