

## CGB Protein, Human, Recombinant (His)

### General Information

Synonyms:	Chorionic gonadotrophin chain $\beta$ ;CG- $\beta$ ;Chorionic gonadotrophin chain beta; Choriogonadotropin subunit $\beta$ ;CGB3;Choriogonadotropin subunit beta;CG-beta;CGB
Protein Construction:	Ser21-Gln165
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P0DN86
Molecular Weight:	28-35 KDa (reducing condition)
AA Sequence:	Ser21-Gln165

### QC Testing

Biological Activity:	Activity has not been tested. It is theoretically active, but we cannot guarantee it. If you require protein activity, we recommend choosing the eukaryotic expression version first.
Purity:	Greater than 95% as determined by reducing SDS-PAGE. (QC verified)
Endotoxin:	< 0.1 ng/ $\mu$ g (1 EU/ $\mu$ g) as determined by LAL test.
Formulation:	Lyophilized from a solution filtered through a 0.22 $\mu$ m filter, containing 20 mM PB, 150 mM NaCl, pH 7.4.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in distilled water. The product concentration should not be less than 100  $\mu$ g/ml. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months.

Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Choriogonadotropin subunit beta is also known as CG-beta, Chorionic gonadotrophin chain beta. It is a protein that in humans is encoded by the CGB gene. It belongs to the glycoprotein hormones subunit beta family.

Choriogonadotropin subunit beta can stimulates the ovaries to synthesize the steroids that are essential for the maintenance of pregnancy.

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