

# Native Human Chorionic Gonadotropin, Beta Polypeptide

**Cat. No.** CGB-1856H    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b>    | Native human CGB was expressed in Human Pregnancy Urine.                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>             | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>              | Human Pregnancy Urine                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Description</b>         | CGB is a high quality product that easily dissolves to clarity in a sodium chloride solution. This product complies with USP31/EP6 specifications and is calibrated against the WHO IS (75/537). CGB is a peptide hormone produced in pregnancy, that is made by the embryo soon after conception and later by the trophoblast (part of the placenta). Levels of CGB may be measured in the blood or urine. Most commonly, this is done as a pregnancy test, intended to indicate the presence or absence of an implanted embryo. |
| <b>Form</b>                | Lyophilized from NaCl Buffer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Biological Activity</b> | >6000 u/mg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Molecular Weight</b>    | 36.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Purity</b>              | USP Grade                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Endotoxin Level</b>     | < 0.1 ng/μg of protein.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Storage</b>             | Store at 2-4°C. Stable for 3 years. Avoid repeated freeze-thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

**Pathways**

Glycoproteinhormones; Metabolism; Metabolism of amino acids and derivatives;  
Peptidehormone biosynthesis

**GENE INFORMATION**
**Gene Name**

CGB chorionic gonadotropin, betapolypeptide [ Homo sapiens ]

**Official Symbol**

CGB

**Synonyms**

CGB; chorionic gonadotropin, beta polypeptide; CGB3; CGB5; CGB7;CGB8; hCGB;  
choriogonadotropin subunit beta; CG-beta; chorionic gonadotropin beta chain;  
chorionicgonadotrophin chain beta; chorionic gonadotropin beta subunit;  
chorionicgonadotropin beta 3 subunit; Choriogonadotropin subunit beta

**Gene ID**

1082

**mRNA Refseq**

NM\_000737

**Protein Refseq**

NP\_000728

**MIM**

118860

**UniProt ID**

P01233

**Chromosome  
Location**

19q13.3

**Function**

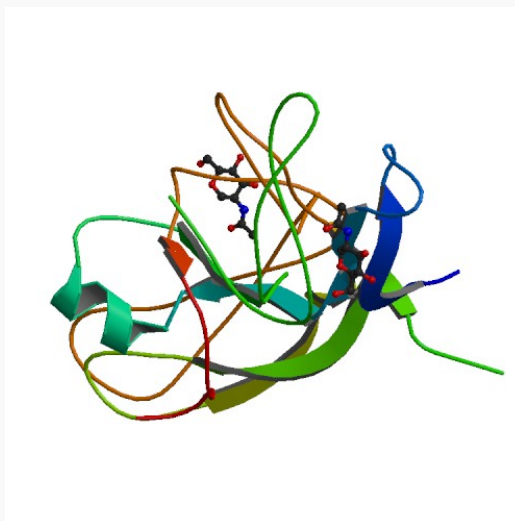
hormoneactivity

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PDBrendering based  
on 1hcn.



Tel: 1-631-559-9269 1-516-512-3133

Email: [info@creative-biomart.com](mailto:info@creative-biomart.com) Fax: 1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA