

# Recombinant Human Chorionic Gonadotropin Beta

**Cat. No.** CGB-41H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Human Chorionic Gonadotropin Beta was produced from yeast.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>Description</b>	Human chorionic gonadotrophin (hCG) is a glycoprotein hormone produced in pregnancy that is made by the developing embryo soon after conception and later by the syncytiotrophoblast (part of the placenta). Its role is to prevent the disintegration of the corpus luteum of the ovary and thereby maintain progesterone production that is critical for a pregnancy in humans. hCG may have additional functions; for instance, it is thought that hCG affects the immune tolerance of the pregnancy. Equine chorionic gonadotropin (eCG) is a gonadotropic hormone produced in the chorion of pregnant mares. Most commonly called pregnant mare s serum gonadotropin (PMSG) in the past, the hormone is commonly used in concert with progestogen to induce ovulation in livestock prior to artificial insemination.
<b>Form</b>	Lyophilized from sterile 20mM PB,240mM NaCl,PH6.0.
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE
<b>Applications</b>	Western blotting, ELISA

 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

**Storage** Store it under sterile conditions at -20°C to -95°C upon receiving. Recommend to aliquot the protein into smaller quantities for optimal storage.

## GENE INFORMATION

**Gene Name** CGB chorionic gonadotropin, beta polypeptide [ Homo sapiens ]

**Official Symbol** CGB

**Synonyms** CGB; chorionic gonadotropin, beta polypeptide; choriogonadotropin subunit beta; CGB3; CG-beta; chorionic gonadotropin beta chain; chorionic gonadotrophin chain beta; chorionic gonadotropin beta subunit; chorionic gonadotropin beta 3 subunit; CGB5; CGB7; CGB8; hCGB;

**Gene ID** 1082

**mRNA Refseq** NM\_000737

**Protein Refseq** NP\_000728

**MIM** 118860

**UniProt ID** P01233

**Chromosome Location** 19q13.3

**Pathway** Glycoprotein hormones, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Peptide hormone biosynthesis, organism-specific biosystem;

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**Function**

hormone activity;

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