

Human Chorionic Gonadotrophin beta subunit Reference standard

Cat. No. CGB-205H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This consists of a batch of lyophilised ampoules containing the beta subunit of human chorionic gonadotrophin, purified to remove other forms of human chorionic gonadotrophin, including nicked forms of hCG and its subunits. The Reference Reagent is intended for use in investigating and characterizing the specificity of existing hCG and hCG- β assays.
Species	Human
Enzyme Unit	0.88 nmol/ampoule, by definition. The nmol value is assigned without uncertainty. Where required, the uncertainty of the ampoule may be considered to be the coefficient of variation of the fill volume, which was determined to be 0.09%.
Usage	For practical purposes each ampoule contains the same quantity of hCG- β . The entire content of each ampoule should be completely dissolved in an accurately measured amount of buffer solution. No attempt should be made to weigh out portions of the freeze-dried powder. The use of water to reconstitute ampoule contents is not recommended. The material has not been sterilized and the ampoules contain no bacteriostat.
Notes	This preparation is not for administration to humans. The preparation contains material of human origin, and either the final product or the source materials, from which it is derived, have been tested and found negative for HBsAg, anti-HIV and HCV RNA. As with all materials of biological origin, this preparation should be

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regarded as potentially hazardous to health. It should be used and discarded according to your own laboratorys safety procedures. Such safety procedures should include the wearing of protective gloves and avoiding the generation of aerosols. Care should be exercised in opening ampoules or vials, to avoid cuts.

Stability

They remain valid with the assigned potency and status until withdrawn or amended. Reference materials are held at Creative Biomart within assured, temperature-controlled storage facilities. Reference Materials should be stored on receipt as indicated on the label. In addition, once reconstituted, diluted or aliquoted, users should determine the stability of the material according to their own method of preparation, storage and use. Users who have data supporting any deterioration in the characteristics of any reference preparation are encouraged to contact Creative Biomart.

Storage

Unopened ampoules should be stored at –20°C. Please note: because of the inherent stability of lyophilized material, Creative Biomart may ship these materials at ambient temperature.

GENE INFORMATION

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

Official Symbol CGB

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

Gene ID 1082

mRNA Refseq NM_000737

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Protein Refseq	NP_000728
MIM	118860
UniProt ID	P01233
Chromosome Location	19q13.32
Pathway	Glycoprotein hormones, organism-specific biosystem; Metabolism of proteins, organism-specific biosystem; Peptide hormone biosynthesis, organism-specific biosystem
Function	hormone activity

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