Human Chorionic Gonadotrophin, beta subunit (purified) Reference standard

Cat. No. CGA-210H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	This product contains the beta subunit of human chorionic gonadotrophin, purified to remove other forms of human chorionic gonadotrophin, including nicked forms of hCG and its subunits.
Species	Human
Description	This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 3 subunit of chorionic gonadotropin (CG). Glycoprotein hormones are heterodimers consisting of a common alpha subunit and an unique beta subunit which confers biological specificity. 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.
Form	Lyophilised residue containing approximately 1.0 nmol purified human chorionic gonadotrophin-β, 2 mg human serum albumin, phosphate buffer salts (50mM pH7.4)
Notes	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 regarded as potentially hazardous to health. It should be used and discarded according to your own laboratory's safety procedures. Such safety

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	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.
Storage	Unopened ampoules should be stored at –20 centigrade.

GENE INFORMATION

Gene Name	CGB3
Official Symbol	CGB3
Synonyms	CGB; CGB5; CGB7; CGB8; hCGB
Gene ID	1082
mRNA Refseq	NM_000737.3
Protein Refseq	NP_000728.1
MIM	118860
UniProt ID	P0DN86

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