

CGB3, CGA

Native Human Chorionic Gonadotropin, Standard Grade

Catalog No.	CSI19666A	Quantity:	1 mg
	CSI19666C		10 mg
	CSI19666D		100 mg

Alternate Names: hCG; CG; CGB; CGB5; CGB7; CGB8; hCGB

Description: HCG 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. HCG is one of the four human glycoprotein hormones: chorionic gonadotropin (CG), luteinizing hormone (LH), follicle stimulating hormone (FSH), and thyroid stimulating hormone (TSH). They are dimers consisting of alpha and beta subunits that are associated noncovalently. The alpha subunits of these hormones are identical (CGA), however, their beta chains are unique and confer biological specificity.

UniProt ID: P0DN86, P01215

Source: Human pregnancy urine

Molecular Weight: 37.9 kDa

Formulation: Lyophilized from 50mM ammonium bicarbonate

Purity: > 50% by SDS-PAGE, lot specific

Biological Activity: \geq 6,000 IU/mg, lot specific

Reconstitution: **Gonadotropins are extremely labile in solution.** Reconstitute immediately prior to use, at 1 - 10 mg/ml with high purity water. Further dilutions should be made in a physiologic solution such as PBS or TBS. Include a carrier protein such as 1% BSA. If your application precludes the use of a carrier protein, reconstitute product at 5 - 10 mg/ml. **Avoid extreme high and low pH.**

Storage & Stability: Upon receipt, store at 2-8°C for up to 1 year. Upon reconstitution, use immediately or store in working aliquots at -20°C to -80°C. **Avoid repeated freeze-thaw cycles.**

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