Human Chorionic Gonadotropin

Cat. No. CDA014 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Source	Human Pregnancy Urine
Description	Human chorionic gonadotropin (hCG) is a peptide hormoneproduced in pregnancy, that is made by the embryosoon after conceptionand later by the syncytiotrophoblast(part of the placenta). Its role is to prevent the disintegration of the corpus luteumof the ovaryand thereby maintain progesteroneproduction that is critical for a pregnancyin humans. hCG may have additional functions, for instance it is thought that it affects the immune tolerance of the pregnancy. Early pregnancy testinggenerally is based on the detection or measurement of hCG.
Format	Purified, Lyophilized. Reconstitute to 1mg/ml in 0.15M Potassium Phosphate. Prior to reconstitution rap the bottom of the vial against a bench top to ensure all product is at the bottom of the vial. Allow the reconstitution buffer to equilibrate to room temperature before use. Allow the vial to sit without agitation for at least 5 minutes followed by vortexing at slow speed or gentle swirling.
Purification	≥90% pure (SDS-PAGE).
Concentration	1mg/ml(DRG ELISA)
Buffer	Lyophilized from 50mM Ammonium bicarbonate
Applications	Specific methodologies have not been tested using this product.

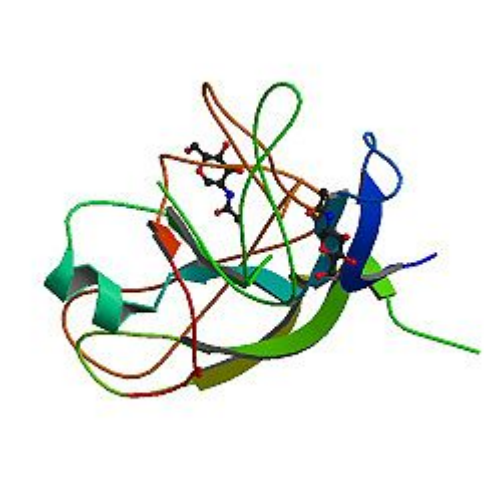
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Storage	Store lyophilized product at -20℃. After reconstitution, aliquot and store at -20℃. Avoid multiple freeze/thaw cycles.
Warnings	All human source materials have tested negative for HIV 1, HIV 2, HCV, Hepatitis A antibodies and HBsAg and HIV Antigen. No test guarantees a product to be non-infectious. Therefore, all material derived from human fluids or tissues should be considered as potentially infectious.

GENE INFORMATION

Gene Name	CGB
Synonyms	Chorionic gonadotropin beta polypeptide; CGB3; CGB5; CGB7; CGB8; hCGB; Choriogonadotropin subunit beta; CG-beta; Chorionic gonadotrophin chain beta; chorionic gonadotropin beta 3 subunit; chorionic gonadotropin beta chain; chorionic gonadotropin beta subunit; chorionic gonadotropin, beta polypeptide. CGHB_HUMAN; Choriogonadotropin subunit beta [Precursor].
Gene ID	1082
mRNA Refseq	NM_000737
Protein Refseq	NP_000728
MIM	118860
UniProt ID	P01233
Chromosome Location	19q13.32

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Function	hormone activity.
PDBrendering based on 1hcn. Available structures:1hcnn,1hrp,1	

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