

## Human Chorionic Gonadotropin (Human CG)

<b>CATALOG NO:</b>	4778-1000
<b>AMOUNT:</b>	1 mg
<b>SOURCE:</b>	Urine of pregnant women
<b>PURITY:</b>	≥ 98% as determined by SDS-PAGE and HPLC
<b>PHYSICAL APPEARANCE:</b>	Sterile filtered and lyophilized with no additives
<b>RECONSTITUTION:</b>	Centrifuge the vial prior to opening. Reconstitute in H <sub>2</sub> O to a concentration of 0.1-1.0 mg/ml.

### STORAGE CONDITIONS:

Lyophilized hCG should be stored desiccated at -20° C or -70° C. Upon reconstitution hCG can be stored at 4° C between 2-7 days. For long-term storage, it is recommended to add a carrier protein (0.1% HSA or BSA) and store aliquoted at -20° C or -70° C. Avoid freeze-thaw cycles.

### DESCRIPTION:

Human Chorionic Gonadotropin (hCG) is produced from a sterile preparation of placental glucoprotein urine of post-menopausal women having a total molecular mass of 36,700 Dalton. hCG consists of 237 amino acids, chain-92 amino acids and chain-145 amino acids. The hCG is purified by proprietary chromatographic techniques.

### ACTIVITY:

BioVision's hCG is biologically active compared to standard. The biological activity of hCG is determined by using the seminal vesicle weight gain test in male rats described in the "Chorionic Gonadotrophins" monograph of the European Pharmacopoeia. The in vivo biological activity of hCG has been calibrated against the third international reference preparation IS75/587 for chorionic gonadotropin. The specific activity was found to be 5000 IU/mg.

### CONTAMINANTS:

The product is free of HbsAg, Hepatitis B surface antigen, and antibodies to HIV, Hepatitis C and HCV.

**FOR RESEARCH USE ONLY! Not to be used on humans.**

### RELATED PRODUCTS:

#### Apoptosis Detection Kits & Reagents

- Annexin V Kits & Bulk Reagents
- Caspase Assay Kits & Reagents
- Mitochondrial Apoptosis Kits & Reagents
- Nuclear Apoptosis Kits & Reagents
- Additional Apoptosis Kits & Reagents

#### Cell Fractionation System

- Mitochondria/Cytosol Fractionation Kit
- Nuclear/Cytosol Fractionation Kit
- Membrane Protein Extraction Kit
- Cytosol/Particulate Rapid Separation Kit
- Mammalian Cell Extraction Kit
- FractionPREP Fractionation System

#### Cell Proliferation & Senescence

- Quick Cell Proliferation Assay Kit
- Senescence Detection Kit
- High Throughput Apoptosis/Cell Viability Assay Kits
- LDH-Cytotoxicity Assay Kit
- Bioluminescence Cytotoxicity Assay Kit
- Live/Dead Cell Staining Kit

#### Cell Damage & Repair

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- HAT Colorimetric Assay Kit & Reagents
- DNA Damage Quantification Kit
- Glutathione Fluorometric & Colorimetric Assay Kits
- Nitric Oxide Fluorometric & Colorimetric Assay Kits

#### Signal Transduction

- Camp & cGMP Assay Kits
- Akt & JNK Activity Assay Kits
- Beta-Secretase Activity Assay Kit

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- CETP Activity Assay & Drug Discovery Kits
- Total Cholesterol Quantification Kit

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- Cloning Insert Quick Screening Kit
- Mitochondrial & Genomic DNA Isolation Kits
- 5 Minutes DNA Ligation Kit
- 20 Minutes Gel Staining/Destaining Kit

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