

Native Human Urine Beta Chorionic Gonadotropin (b-hCG)

Cat. No. CGB-8048H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human Urine Beta Chorionic Gonadotropin (b-hCG) was purified from Human Pregnancy Urine.
Species	Human
Source	Human Pregnancy Urine
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	Lyophilized powder from 50mM ammonium bicarbonate
Molecular Mass	22 kDa
Purity	>98% by SDS-PAGE
Stability	2 years
Storage	2-8 °C

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GENE INFORMATION

Gene Name	CGB chorionic gonadotropin, beta polypeptide [Homo sapiens]
Official Symbol	CGB
Synonyms	CGB; chorionic gonadotropin, beta polypeptide; choriogonadotropin subunit beta; CGB3; CG-beta; chorionic gonadotropin beta chain; chorionic gonadotrophin chain beta; chorionic gonadotropin beta subunit; chorionic gonadotropin beta 3 subunit; CGB5; CGB7; C
Gene ID	1082
mRNA Refseq	NM_000737
Protein Refseq	NP_000728
MIM	118860
UniProt ID	P01233
Chromosome Location	19q13.3
Pathway	Glycoprotein hormones, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Peptide hormone biosynthesis, organism-specific biosystem;
Function	hormone activity;

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