Native Human Chorionic Gonadotropin, Beta Polypeptide

Cat. No. CGB-1850H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Native human CGB was expressedin Human Urine. Native Human Chorionic Gonadotropin, beta subunit.
Species	Human
Source	Human Urine
Description	CGB is a glycoprotein hormoneproduced during pregnancy that is made by the developing embryo afterconception and later by the syncytiotrophoblast (part of the placenta). Sometumors make this hormone, measured elevated levels when the patient is notpregnant can lead to a cancer diagnosis. However, it is not known whetherthis production is a contributing cause or an effect of tumorigenesis. Thepituitary analog of CGB, known as luteinizing hormone (LH), is produced inthe pituitary gland of males and females of all ages.
Form	Lyophilized powder
Formulation	Lyophilized from50mM Ammonium Bicarbonate.
Reconstitution	Reconstitute usingneutral pH buffer of choice. Avoid extreme high and low pH.
Molecular Weight	Approximately 22 kDa
Purity	≥98% by SDS-PAGE

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Grade	High Purity
Activity	1mg/mg by Absorbanceat 280 nm
Certification	The material testednegative for anti-HIV-1/2, anti-HCV and HBsAg by FDA approvedmethods.
Storage	-2°C to -8°C forshort term storage, -20°C for long term storage after reconstitution. Productis stable for five years from date of delivery. Avoid freeze/thaw cycles.
Pathways	Glycoproteinhormones; Metabolism; Metabolism of amino acids and derivatives; Peptidehormone biosynthesis

GENE INFORMATION

Gene Name	CGB chorionic gonadotropin, betapolypeptide [Homo sapiens]
Official Symbol	CGB
Synonyms	CGB; chorionic gonadotropin, beta polypeptide; CGB3; CGB5; CGB7;CGB8; hCGB; choriogonadotropinsubunit beta; CG-beta; chorionic gonadotropin beta chain; chorionicgonadotrophin chain beta; chorionic gonadotropin beta subunit; chorionicgonadotropin beta 3 subunit; Choriogonadotropin subunit beta
Gene ID	1082
mRNA Refseq	NM_000737
Protein Refseq	NP_000728
MIM	118860

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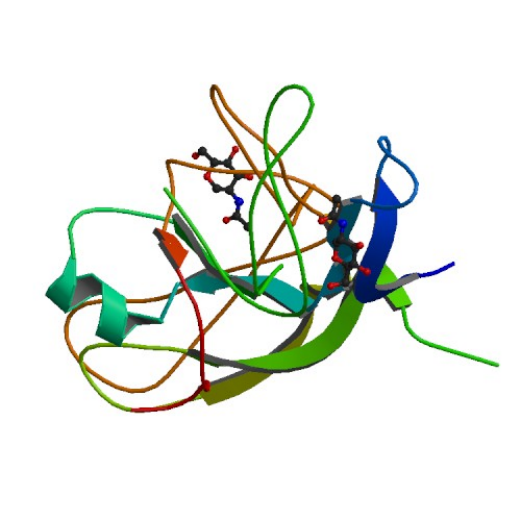
UniProt ID	P01233
Chromosome Location	19q13.3
Function	hormoneactivity
PDBrendering based on 1hcn.	

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