

Recombinant Human CGB3 protein, His & T7-tagged

Cat. No. CGB3-7936H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CGB3 aa. (Pro31~Gln165 (Accession # P01233)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro31~Gln165
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	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.1kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

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Characteristic	The isoelectric point is 8.3.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage Buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	CGB3 chorionic gonadotropin beta subunit 3 [Homo sapiens (human)]
Official Symbol	CGB3
Synonyms	CGB3; chorionic gonadotropin beta subunit 3; CGB; CGB5; CGB7; CGB8; hCGB; choriogonadotropin subunit beta 3; CG-beta; chorionic gonadotrophin chain beta; chorionic gonadotropin beta 3 subunit; chorionic gonadotropin beta chain; chorionic gonadotropin chain beta; chorionic gonadotropin, beta polypeptide
Gene ID	1082

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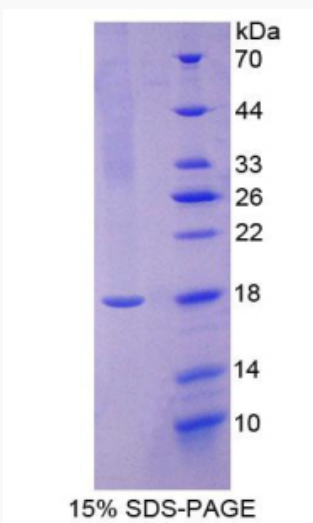
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mRNA Refseq [NM_000737.3](#)

Protein Refseq [NP_000728.1](#)

UniProt ID [P0DN86](#)

SDS-PAGE



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