
Product Data Sheet

Product Name: CGB Human
 Cat. No.: GP21235
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	CGB3; CGB5; CGB7; CGB8; hCGB; CG-beta; CGB.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSSKEPLRP RCRPINATLA VEKEGCPVCI TVNTTICAGY CPTMTRVLQG VLPALPQVVC NYRDVRFESI RLPGCPRGVN PVVSYAVALS CQCALCRRST TDCGGPKDHP LTCDDPRFQD SSSSKAPPPS LPSPSRLPGP SDTPILPQ.		
Formulation	CGB protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

Glycoprotein hormones are heterodimers consisting of a common alpha subunit and a unique beta subunit which confers biological specificity. CGB is a member of the glycoprotein hormone beta chain family and is the beta 3 subunit of (CG). CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries. 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.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

CGB Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 168 amino acids (21-165 a.a.) and having a molecular mass of 17.9kDa. CGB is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary

Caution: Product has not been fully validated for medical applications. For research use only.

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chromatographic techniques.

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