

CGB Human

CGB Human Recombinant
HRM0011

Product Overview

Name CGB Human

Description

CGB Human Recombinant

Accession (Primary) [P01233](#)

Synonyms

CGB3 CGB5 CGB8, CGB5, CGB7, CGB8, HCGB, CG-beta.

Introduction

CGB3, belongs to the glycoprotein hormone beta chain family. CGB3 encodes the beta 3 subunit. CGB3 stimulates the expression of GCM1 target genes, as well as the fusogenic protein syncytin-1, to promote placental cell fusion. Furthermore, CGB3 is synthesized in large quantities by the growing placenta, reaching peak concentrations in maternal blood throughout the late first trimester and early mid-trimester of pregnancy. CGB3 is expressed solely by trophoblasts. CGB3 is a significant biomarker in pregnancy and oncology, where it is routinely detected and quantified by specific immunoassays.

Source

Sf9, Baculovirus cells.

Physical Appearance

Sterile Filtered clear solution.

Formulation

CGB3 protein solution (0.25mg/ml) contains Phosphate Buffered Saline (pH 7.4) and 10% glycerol.

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.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

ADP SKEPLRP RCRPINATLA VEKEGCPVCI TVNTTICAGY CPTMTRVLQG VLPALPQVVC NYRDVRFESI
RLPGCPRGVN PVVSYAVALS CQCALCRRST TDCGGPKDHP LTCDDPRFQD SSSSKAPPPS LPSPSRLPGP
SDTPILPQ HH HHHH .

Precautions

CGB Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: ([P01233](#))