9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

CGB3 Human

CGB3 Human Recombinant
RCP0414

Product Overview

Name	CGB3 Human
Description	
CGB3 Human Recombinant	
Accession (Primary)	P0DN86
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 .	

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Precautions

CGB3 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P0DN86)