

## 32-13397: CGB3 Human

**Alternative Name :** CGB3 CGB5 CGB8, CGB5, CGB7, CGB8, HCGB, CG-beta.

### Description

Source: Sf9, Baculovirus cells.

Sterile Filtered clear solution.

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.

CGB3 Human Recombinant produced in Sf9 Baculovirus cells is a single, glycosylated polypeptide chain containing 154 amino acids (21-165.a.) and having a molecular mass of 16.6kDa (Molecular size on SDS-PAGE will appear at approximately 18-28kDa). CGB3 is expressed with a 6 amino acid His tag at C-Terminus and purified by proprietary chromatographic techniques.

### Product Info

**Amount :** 1 µg / 5 µg

**Purification :** Greater than 90.0% as determined by SDS-PAGE.

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

**Storage condition :** 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.

**Amino Acid :** ADPSKEPLRP RCRPINATLA VEKEGCPVCI TVNTTICAGY CPTMTRVLQG VLPALPQVVC NYRDVRFESI RLPGCPRGVN PVVSYAVALS CQCALCRRST TDCGGPKDHP LTCDDPRFQD SSSSKAPPPS LPSPSRLPGP SDTPILPQHH HHHH.