

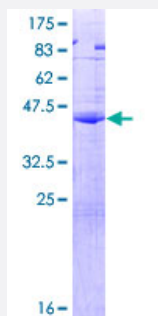
Full-Length

CGB5 (Human) Recombinant Protein (P02)

Catalog # H00093659-P02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CGB5 full-length ORF (NP_149032.1, 1 a.a. - 165 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MEMFQGLLLLLLLSMGGTWASKEPLRPRCRPINATLAVEKEGCPVCITVNTTICAGYCPTMTRVLQ GVLPALPQVVCNYRDVRFESIRLPGCPRGVNPVVSYAVALSCQCALCRRSTTDCGGPKDHPLTC DDPRFQDSSSSKAPPPSLPSPSRLPGPSDTPILPQ
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	44.1
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CGB5

Entrez GeneID [93659](#)

GeneBank Accession# [NM_033043.1](#)

Protein Accession# [NP_149032.1](#)

Gene Name CGB5

Gene Alias HCG, MGC119822

Gene Description chorionic gonadotropin, beta polypeptide 5

Omim ID [608825](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the glycoprotein hormone beta chain family and encodes the beta 5 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. [provided by RefSeq]

Other Designations chorionic gonadotropin beta 5 subunit

Disease

- [Abortion](#)

- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Infertility](#)
- [Obesity](#)
- [Ovarian Failure](#)
- [Polycystic Ovary Syndrome](#)
- [Puberty](#)
- [Thrombophilia](#)
- [Tobacco Use Disorder](#)