

Recombinant Human CGB5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CGB5-712H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CGB5 MS Standard C13 and N15-labeled recombinant protein (NP_149032) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	17.7 kDa
AA Sequence	MEMFQGLLLLLLLSMGGTWASKEPLRPRCRPINATLAVEKEGCPVCITVNTTICAGY CPTMTRVLQGVLPALPQVVCNYRDVRFESIRLPGCPRGVNPVVSYAVALSCQCALC RRSTTDCGGPKDHPLTCDDPRFQDSSSSKAPPPSLPSRLPGPSDTPILPQTRTR PLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

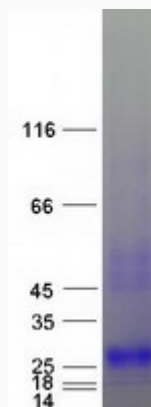
GENE INFORMATION

Gene Name	CGB5 chorionic gonadotropin subunit beta 5 [Homo sapiens (human)]
Official Symbol	CGB5
Synonyms	CGB5; chorionic gonadotropin, beta polypeptide 5; HCG; chorionic gonadotropin beta 5 subunit; MGC119822;
Gene ID	93659
mRNA Refseq	NM_033043
Protein Refseq	NP_149032
MIM	608825
UniProt ID	P01233

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SDS-PAGE

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