

Chorionic Gonadotropin Beta Recombinant Protein | CGB recombinant protein

Recombinant Human Chorionic Gonadotropin Beta

CATALOG # AAA39098	HOST E Coli
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PRODUCT SYNONYMS

Chorionic Gonadotropin Beta; Recombinant Human Chorionic Gonadotropin Beta; CGB Human; Chorionic Gonadotropin Beta Human Recombinant; CGB3; CGB5; CGB7; CGB8; hCGB; Choriogonadotropin subunit beta; CG-beta; Chorionic gonadotrophin chain beta; CGB; CGB recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 85.0% as determined by SDS-PAGE.
Form/Format	Sterile filtered colorless solution; CGB protein solution (0.5mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.
Sequence	MGSSHHH HHHSSGLVPR GSHMGS SKEPLRPRCR PINATLAVEK EGCPVCITVN TTICAGYCPT MTRVLQGVLP ALPQVVCNYR DVRFESIRLP GCPRGVNPVV SYAVALSCQC ALCRRSTTDC GGPKDHLPTC DDPRFQDSSS SKAPPSLPS PSRLGPSDT PILPQ
Sequence Length	165
Preparation and Storage	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.

ADDITIONAL INFORMATION

Related Product Information for CGB recombinant protein	Description: CGB Human Recombinant produced in E Coli is a single, non-glycosylated polypeptide chain containing 168 amino acids (21-165 a.a.) and having a molecular mass of 17.9kDa. CGB is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Glycoprotein hormones are heterodimers consisting of a common alpha subunit and a unique beta subunit which confers biological specificity. CGB is a member of the glycoprotein hormone beta chain family and is the beta 3 subunit of chorionic gonadotropin (CG). CG is produced by the trophoblastic cells of the placenta and stimulates the ovaries to synthesize the steroids that are vital for the continuance 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.
Product Categories/Family for CGB recombinant protein	Hormones; Hormones; HCG

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502789
NCBI GeneID	1082
NCBI Accession #	NP_000728.1
NCBI GenBank Nucleotide #	NM_000737.3
UniProt Accession #	P01233; Q13991; Q14000; Q3KPI3; Q3SY41; Q8WTT5; Q8WXL1; Q8WXL2; Q8WXL3; Q8WXL4; A1A5E0; B9ZVP5
NCBI Official Full Name	choriogonadotropin subunit beta

NCBI Official Synonym Full Names	chorionic gonadotropin, beta polypeptide
NCBI Official Symbol	CGB
NCBI Official Synonym Symbols	CGB3; CGB5; CGB7; CGB8; hCGB
NCBI Protein Information	choriogonadotropin subunit beta; CG-beta; chorionic gonadotrophin chain beta; chorionic gonadotropin beta 3 subunit; chorionic gonadotropin beta chain; chorionic gonadotropin beta subunit
UniProt Protein Name	Choriogonadotropin subunit beta
UniProt Gene Name	CGB
UniProt Synonym Gene Names	CGB3; CG-beta
UniProt Entry Name	CGHB_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/cgb-recombinant-protein-e-coli/39098>