

# Human Growth Hormone 20kDa Recombinant Protein



RPPB0327

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## Product Information    Protein Information

**Product SKU:**

RPPB0327

**Accession:**

O14643

**Host:**

Escherichia Coli.

**Protein description:**

Growth Hormone Placental 20kDa Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 177 amino acids and having a molecular mass of 20498 Dalton. Predicted pI=8.20. Growth Hormone 20K placental is devoid of lactogenic (prolactin receptor mediated) activity characteristic to pituitary GHs. GH 20K placental is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

GHL, GHV, GH-V, hGH-V, PGH.

**Formulation:**

pGH 20kDa was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO<sub>3</sub> previously adjusted pH 11.

**Purity:**

Greater than 98.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.

**Solubility:**

It is recommended to reconstitute the lyophilized Placental Growth Hormone in 0.4% NaHCO<sub>3</sub> or water adjusted to pH 11, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Growth Hormone 20K Placental although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution and filter sterilization GH 20K pl can be stored at 4°C for up to 4 weeks. For long term storage and more diluted solutions it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

AFPTI PLSRLFDNAM LRARRLYQLA YDTYQEFNPQ TSLCFSESIP TPSNRVKTQQ KSNLELLRIS LLLIQSWLEP  
VQLLRVVFAN SLVYGASDSN VYRHLKDLEE GIQTLMWRLD DGSPRTGQIF NQSYSKFDTK SHNDDALLKN  
YGLLYCFRKD MDKVETFLRI VQCRSVEGSC GF