

# Human Pituitary Growth Hormone 22kDa Recombinant Protein



RPPB0325

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## Product Information    Protein Information

**Product SKU:**

RPPB0325

**Accession:**

P01242

**Host:**

Escherichia Coli.

**Protein description:**

Placental HGH 22kDa Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 192 amino acids and having a molecular mass of 22367 Dalton. Predicted pI=7.80. Placental Growth Hormone has diminished lactogenic (prolactin receptor mediated) activity characteristic to pituitary GHs. GH Placental Human Recombinant is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO<sub>3</sub> previously adjusted pH 8-9.

**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 HGH in 0.4% NaHCO<sub>3</sub> or water adjusted to pH 9, not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized GH placental although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution and filter sterilization HGH placental 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:**

The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Phe-Pro-Thr-Ile.