

Human Growth Hormone 20kDa Recombinant Protein



RPPB0326

Product Information Protein Information

Product SKU:

RPPB0326

Accession:

P01241

Host:

Escherichia Coli.

Protein description:

Growth Hormone 20KDa Pituitary Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 177 amino acids and having a molecular mass of 20322 Dalton. HGH-20kDa is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

GH1, GH, GHN, GH-N, hGH-N, Pituitary growth hormone, Growth hormone 1, Somatotropin.

Formulation:

HGH-20K was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO₃ previously adjusted to pH 10.

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 Growth Hormone Pituitary in 0.4% NaHCO₃ adjusted to pH 10, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Pituitary Growth Hormone-20K although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution and filter sterilization GH-20K 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.