

Porcine Growth Hormone Recombinant Protein



RPPB0341

Product Information Protein Information

Product SKU:

RPPB0341

Accession:

P01248

Host:

Escherichia Coli.

Protein description:

Porcine-Somatotropin Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 190 amino acids and having a molecular mass of 21730 Dalton. Growth Hormone 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, pST.

Formulation:

The Growth-hormone (1 mg/ml) was lyophilized after extensive dialyses against 0.34 mg sodium phosphate buffer (0.02 mg sodium phosphate monobasic & 0.32 mg sodium phosphate dibasic).

Purity:

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

Solubility:

It is recommended to reconstitute the lyophilized pST in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized GH although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Somatotropin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage 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 Phe-Pro-Ala-Met-Pro.

Biological Activity:

Somatotropin contains 3 units/mg.