



## **Growth Hormone Ovine Recombinant**

Item Number rAP-2269

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

Description Growth Hormone Ovine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain

containing 200 amino acids and having a molecular mass of 22015 Dalton. The GH Ovine Recombinant is

purified by proprietary chromatographic techniques.

Uniprot Accesion Number P67930

Amino Acid Sequence 1 afpamslsgl fanavlraqh lhqlaadtfk efertyipeg qrysiqntqv 51 afcfsetipa

ptqkneaqqk sdlellrisl lliqswlqpl qflsryftns 101 lyfqtsdryy eklkdleeqi lalmreledy tpraqqilkq

tydkfdtnmr 151 sddallknyg llscfrkdlh ktetylrvmk crrfgeasca f

Source Escherichia Coli.

Physical Appearance

and Stability

Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized Growth Hormone although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GH Ovine should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recom-

mended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

Formulation and Purity The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO3. Greater than

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

**Application** 

Solubility It is recommended to reconstitute the lyophilized Growth Hormone in sterile 18MΩ-cm H2O not less than

100µg/ml, which can then be further diluted to other aqueous solutions.

**Biological Activity**The activity as determined by the dose-dependant stimulation of the proliferation FDCP13B9 cells.

**Shipping Format and Condition** Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only