

# Ovine Growth Hormone Recombinant Protein



RPPB0331

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## Product Information    Protein Information

**Product SKU:**

RPPB0331

**Accession:**

P67930

**Host:**

Escherichia Coli.

**Protein 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.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

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

**Formulation:**

The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO<sub>3</sub>.

**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 in sterile 18MΩ-cm H<sub>2</sub>O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

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

**Amino Acid Sequence:**

1  afpamslsgl fanavraqh lhqlaadtfk efertyipeg qrysiqntqv 51  afcfsetipa  ptgkneaqqk sdlellrisl lliqswlgpl  
qflsrvtfns 101  lvfgtsdrv y ekldleegi lalmreledv tpragqilkq tydkfdtnmr 151  sddallknyg llscrkdllh  
ktetylrvmk  crrfgeasca f

**Biological Activity:**

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