

Bovine Growth Hormone Recombinant Protein



RPPB0333

Product Information Protein Information

Product SKU:

RPPB0333

Accession:

P01246

Host:

Escherichia Coli.

Protein description:

Growth Hormone Bovine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 191 amino acids and having a molecular mass of 21.8 kDa. The GH Bovine Recombinant is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

BGH, BST, rBGH, rBST, Bovine Somatotropin, Bovine GH, Growth hormone, GH1.

Formulation:

The Bovine Growth Hormone protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO₃ adjusted to 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 Bovine Growth Hormone in sterile 18MΩ-cm H₂O not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

Stability:

Lyophilized Bovine Growth Hormone although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GH Bovine 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 afcsetmpa ptgkneaqqk sdlellrisl
l liqswlgpl qflsrvtfs 101 lvfgtsdrv ekldleegi lalmreledg tprgqilkq tydkfdtnmr 151 sddallknyg llscfrkdlh
ktetylrvmk crrfgeasca f

Biological Activity:

The activity as determined by the PDFP13B9 cells stably transfected with rabbit GH receptors. Bovine GH is also capable of forming a 1:2 complex with the recombinant ovine growth hormone receptor extracellular domain (ECD).