

Bovine Growth Hormone

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

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
20 µg	1449.910.020		
100 µg	1449.910.100		
1 mg	1449.910.199		

Please enquire for bulk quantities and other vial sizes

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.

- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE, SEC-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The Bovine Growth Hormone protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO₃ adjusted to pH 8-9*
- **Physical state** Sterile filtered, lyophilized

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).

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

```
lafpamslsg lfanavlraq hlhqlaadtf kefertype gqrysiqntq v5lafcfset mpaptgknea  
qqksdlellr isllliqswl gplqflsrvf tns101lvfg tsdrvyeklk dleegilalm reledgtpr  
gqilkqtydk fdtnmr151s ddallknygl lscfrkdlhk tetylrvmkc rrfgeascaf
```

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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