

BGrowth Hormone Active Protein | bGH active protein

Recombinant Bovine Growth Hormone

CATALOG # AAA38653	HOST E Coli
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PRODUCT SYNONYMS

BGrowth Hormone; Recombinant Bovine Growth Hormone; GH Bovine; Growth Hormone Bovine Recombinant; BGH; BST; rBGH; rBST; Bovine Somatotropin; Bovine GH; Growth hormone; GH1; bGH active protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	Greater than 98.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.
Form/Format	Sterile Filtered White lyophilized (freeze-dried) powder. The Bovine Growth Hormone protein was lyophilized from a concentrated (1mg/ml) solution with 4.5mM NaHCO ₃ adjusted to pH 8-9.
Concentration	1mg/ml (varies by lot)
Sequence Length	217
Protein Content	UV spectroscopy at 280 nm using the absorbency value of 0.63 as the extinction coefficient for a 0.1% (1mg/ml) solution. This value is calculated by the PC GENE computer analysis program of protein sequences.
Solubility	It is recommended to reconstitute the lyophilized Bovine Growth Hormone in 0.4% NaHCO ₃ or sterile 18M Omega-cm H ₂ O not less than 100 ug/ml, which can then be further diluted to other aqueous solutions.
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).
Amino Acid Sequence	1 - afpamslsgl fanavlrqhlhqlaadtfk efertyipeg qrysiqntqv 51 - afcfsetmpa ptgkneaqqk sdlellrlsl lliqswlgpl qlfsrvftns 101 - lvfgtsdrvyeikldleegi lalmreledg tprgqilkq tydkfdtnmr 151 - sddalknyg llscfrkdllh ktetylrvmk crfgeasca f
Preparation and Storage	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.

ADDITIONAL INFORMATION

Related Product Information for bGH active protein	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.
Product Categories/Family for bGH active protein	Cytokines and Growth Factors ; Growth Factors ; Growth Hormone

NCBI AND UNIPROT INFORMATION

NCBI GI #	30794288
NCBI GeneID	280804

NCBI Accession #	NP_851339.1
NCBI GenBank Nucleotide #	NM_180996.1
UniProt Accession #	P01246 ; Q28117 ; Q3LS73 ; A4GX96
NCBI Official Full Name	somatotropin
NCBI Official Symbol	GH1
NCBI Official Synonym Symbols	GH
NCBI Protein Information	somatotropin
UniProt Protein Name	Somatotropin
UniProt Gene Name	GH1
UniProt Synonym Gene Names	GH
UniProt Entry Name	SOMA_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/e-coli-bgh-active-protein/bgrowth-hormone/38653>