

Recombinant Ovine Growth Hormone, Ultra Pure

Cat. No. GH-54260 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Ovine GH produced in E. coli is a single, non-glycosylated polypeptide chain containing 200 amino acids and having a MW 22015 Dalton.
Species	Ovine
Source	E.coli
Description	GH is a protein-based peptide hormone. It stimulates growth, cell reproduction and regeneration in humans and other animals.
Endotoxin Level	Less than 0.1 ng/ug (1 EU/ug) of rOGH.
Biological Activity	The activity was determined by the dose-dependent stimulation of the proliferation of FDCP13B9 cells.
Dimers & Aggregates	Less than 1% as determined by silver-stained SDS-PAGE gel analysis.
Form	Lyophilized from a concentrated (1mg/ml) solution with 0.0045M NaHCO ₃ .
Purity	Greater than 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Anion-exchange FPLC. (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
Reconstitution	Centrifuge vial prior to opening. Reconstitute in a concentration at 100 ug/ml or greater of sterile water, which can then be further diluted to other aqueous solutions.

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Amino Acid Sequence	The sequence of the first five N-terminal amino acids was determined and was found to be Met-Ala-Phe-Pro-Ala.
Storage	The lyophilized form is stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution, the product 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). Avoid repeated freeze-thaw cycles.
Official Symbol	GH
GENE INFORMATION	
Gene Name	GH growth hormone [<i>Ovis aries</i>]
Synonyms	GH; growth hormone; GH1; somatotropin; growth hormone 12
Gene ID	443329
mRNA Refseq	NM_001009315
Protein Refseq	NP_001009315
UniProt ID	P67930
Growth hormone.	

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