Recombinant Ovine Growth Hormone, Ultra Pure

Cat. No. GH-5426O **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RecombinantOvine GH produced in E. coli is a single,non-glycosylated polypeptide chain containing 200 amino acids and having a MW22015 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.
EndotoxinLevel	Less than0.1 ng/ug (I EU/ug) of rOGH.
BiologicalActivity	Theactivity was determined by the dose-dependent stimulation of theproliferation FDCP13B9 cells.
Dimers& Aggregates	Less than1% as determined by silver-stained SDS-PAGE gel analysis.
Form	Lyophilizedfrom a concentrated (1mg/ml) solution with 0.0045mM NaHCO3.
Purity	Greaterthan 98.0% as determined by: (a) Analysis by RP-HPLC. (b) Anion-exchangeFPLC. (c) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel.
Reconstitution	Centrifugevial prior to opening. Reconstitute in a concentration at 100 ug/ml or greaterof sterile water, which can then be further diluted to other aqueoussolutions.

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Amino Acid Sequence	The sequence of the first fiveN-terminal amino acids was determined and was found to beMet-Ala-Phe-Pro-Ala.
Storage	The lyophilized form is stable atroom temperature for 3 weeks, should be stored desiccated below -18°C. Uponreconstitution, the product should be stored at 4°C between 2-7 days and forfuture use below -18°C. For long term storage, it is recommended to add acarrier protein (0.1% HSA or BSA). Avoid repeatedfreezethaw cycles.
OfficialSymbol	GH

GENE INFORMATION

Gene Name	GHgrowth hormone [Ovis aries]
Synonyms	GH; growthhormone; GH1; somatotropin; growth hormone 12
Gene ID	443329
mRNA Refseq	NM_001009315
Protein Refseq	NP_001009315
UniProt ID	P67930
Growthhormone.	

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