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Produktinformation



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Growth Hormone, mouse recombinant (rmGH)

Catalog No: 97074
Lot No: XXXXX
Source: *E. coli*
Synonyms: GH1, GH, GHN, GH-N, hGH-N, Pituitary growth hormone, Growth hormone 1, Somatotropin

Background

GH is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.

Description

Growth Hormone mouse recombinant produced in *E. coli* is a single, non-glycosylated, polypeptide chain containing 190 amino acids and having a molecular mass of 22 kDa. GH is purified by proprietary chromatographic techniques.

Physical Appearance

Sterile filtered white lyophilized (freeze-dried) powder.

Formulation

Mouse recombinant Growth Hormone contains 50 mM Tris-HCl, pH8.0, 150 mM NaCl buffer.

Solubility

It is recommended to reconstitute the lyophilized GH in sterile 18 M Ω -cm H₂O not less than 100 μ g/ml, which can then be further diluted to other aqueous solutions.

Stability

Lyophilized Growth Hormone, although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GH mouse 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.

Purity

Greater than 95.0% as determined by SDS-PAGE.

Activity

Recombinant mouse Growth Hormone is fully biologically active when compared to standard human Growth Hormone which is 3 units/mg.

Usage

This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.