
Product Data Sheet

Product Name: GH Mahi Mahi
Cat. No.: GP20339
Batch No.: 1

Product Data

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|---------------------|--|--------------------|-----------------------|
| Purity | >98% | Source | Escherichia Coli. |
| Physical Appearance | solid | Shipping Condition | Shipped at Room temp. |
| Synonyms | GH1; GH; GHN; GH-N; hGH-N; Pituitary growth hormone; Growth hormone 1; Somatotropin. | | |
| Solubility | It is recommended to reconstitute the lyophilized Growth Hormone Mahi Mahi in sterile 18MΩ-cm H ₂ O not less than 100μg/ml, which can then be further diluted to other aqueous solutions. | | |
| Formulation | The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO ₃ . | | |

Introduction

GH is a member of the somatotropin/prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the growth hormone locus on chromosome 17 where they are interspersed in the same transcriptional orientation; an arrangement which is thought to have evolved by a series of gene duplications. The five genes share a remarkably high degree of sequence identity. Alternative splicing generates additional isoforms of each of the five growth hormones, leading to further diversity and potential for specialization. This particular family member is expressed in the pituitary but not in placental tissue as is the case for the other four genes in the growth hormone locus. Mutations in or deletions of the gene lead to growth hormone deficiency and short stature.

Stability

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

Caution: Product has not been fully validated for medical applications. For research use only.

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freeze-thaw cycles.

Background

Growth Hormone Mahi Mahi Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 190 amino acids and having a molecular mass of 21810 Dalton. GH is purified by proprietary chromatographic techniques.

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