9051 Mira Mesa Blvd, #910094
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GH Mouse

GH Mouse Recombinant
GRF0125

Product Overview

Name	GH Mouse
Description	
GH Mouse Recombinant	
Accession (Primary)	P06880
Synonyms	
GH1, GH, GHN, GH-N, hGH-N, Pituitary GH, GH-1.	
Introduction	
GH is a member of the prolactin family of hormones which play an important role in growth control. The gene, along with four other related genes, is located at the GH 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 GHs, 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 GH locus. Mutations in or deletions of the gene lead to GH deficiency and short stature.	
Source	
Escherichia Coli.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
Mouse Growth Hormone Recombinant Lyophilized from a 0.2 µm filtered solution of 20mM HEPES, 4% Sucrose, 4% Mannitol, 0.02% Tween 80, pH 8.0.	
Stability	
Lyophilized GH mouse 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.	
Solubility	

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It is recommended to reconstitute the lyophilized Growth Hormone Murine in sterile 18MΩ-cm H 2 O not less than 100 µg/ml, which can then be further diluted to other aqueous solutions.

Precautions

GH Mouse is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P06880)