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GH Rat

GH Rat Recombinant
GRF0129

Product Overview

Name	GH Rat
Description	
GH Rat Recombinant	
Accession (Primary)	P01244
Synonyms	
GH1, GH, GHN, GH-N, hGH-N,Pituitary GH, GH-1.	
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 gGH 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	
The protein (1mg/ml) was lyophilized after extensive dialyses against 5mM phosphate buffer, 5mg mannitol and 1mg glycine.	
Stability	
Lyophilized GH Rat although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GH Rat 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 97.0% as determined by: (a) Analysis by SEC-HPLC. (b) Analysis by SDS-PAGE.	
Solubility	

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

References

Title :GHRELIN HYPORESPONSIVENESS CONTRIBUTES TO AGING-RELATED HYPERINFLAMMATION IN SEPTIC SHOCK. Publication :Ann Surg. Author manuscript; available in PMC 2010 July 1. Published in final edited form as: GH Rat prospec publication

Precautions

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

Target Information: (P01244)