9051 Mira Mesa Blvd, #910094
San Diego, CA 92191
Tel: 760-390-3989

GH Human, HEK

Growth Hormone Human Recombinant, HEK
GRF0123

Product Overview

Name	GH Human, HEK
Description	
Growth Hormone Human Recombinant, HEK	
Accession (Primary)	P01241
Synonyms	
GH1, GH, GHN, GH-N, hGH-N,Pituitary growth hormone, Growth hormone 1, Somatotropin.	
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.	
Source	
HEK.	
Physical Appearance	
Sterile Filtered White lyophilized (freeze-dried) powder.	
Formulation	
The GH was lyophilized from 1.13mg/ml in 1xPBS.	
Stability	
Lyophilized GH although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution GH 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% as obsereved by SDS-PAGE.	
Biological Activity	

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The activity was determined by the dose dependent stimulation of the proliferation of rat lymphoma line Nb2-11 cells (prolactin indicator cell line), the ED 50 is 0.1ng/ml.

Solubility

It is recommended to reconstitute the lyophilized GH in sterile 1xPBS containing 0.1% endotoxin-free recombinant HSA.

Precautions

GH Human, HEK is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P01241)