

Recombinant Human GH

产品描述

Recombinant Human Growth Hormone is produced by our E.coli expression system and the target gene encoding Phe27-Phe217 is expressed.

产品别称

GH1;Somatotropin;Growth hormone;GH;GH-N;Growth hormone 1;Pituitary growth hormone

偶联

Unconjugated

分子量

22.1 KDa

表观分子量

20 KDa, reducing conditions

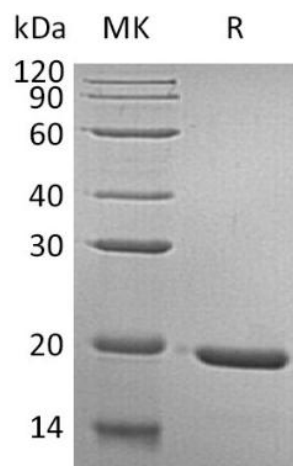
剂型描述

Lyophilized from a 0.2 μ m filtered solution of 20mM HEPES-NaOH, 8% Trehalose, 2% Mannitol, 0.1%Tween80, pH7.0

内毒素

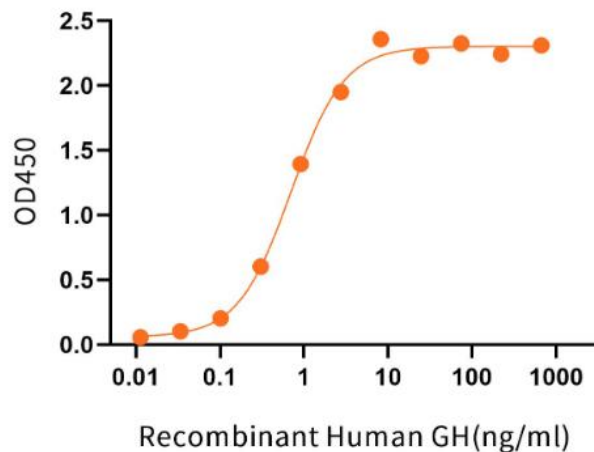
< 1 EU/ μ g as determined by LAL test

纯度-SDS-PAGE



Greater than 95% as determined by reducing SDS-PAGE.

生物活性-ELISA



Immobilized Recombinant Mouse GHR (C-Fc) at 2 μ g/ml (100 μ l/well) can bind Recombinant Human GH*. *: Biotinylated by NHS-biotin prior to testing. The EC50 of Recombinant Human GH is 0.70 ng/ml. (Regularly tested)

复溶

Always centrifuge tubes before opening. Do not mix by vortex or pipetting.

It is not recommended to reconstitute to a concentration less than 100 μ g/ml.

Dissolve the lyophilized protein in distilled water.

Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

运输条件

The product is shipped at ambient temperature.

Upon receipt, store it immediately at the temperature listed below.

保存条件

Lyophilized protein should be stored at $\leq -20^{\circ}$ C, stable for one year after receipt.

Reconstituted protein solution can be stored at 2-8 $^{\circ}$ C for 2-7 days.

Aliquots of reconstituted samples are stable at $\leq -20^{\circ}$ C for 3 months.

产品背景

Growth hormone (GH), also known as somatotropin, is a member of a family of growth factors. It plays 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. GH includes prolactin, placental lactogens, proliferins, and somatolactin. It is synthesized primarily by somatotropes in the anterior pituitary and is stored in secretory granules. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.