

# Recombinant Human HGH

Catalog Number: **HZ-1007**

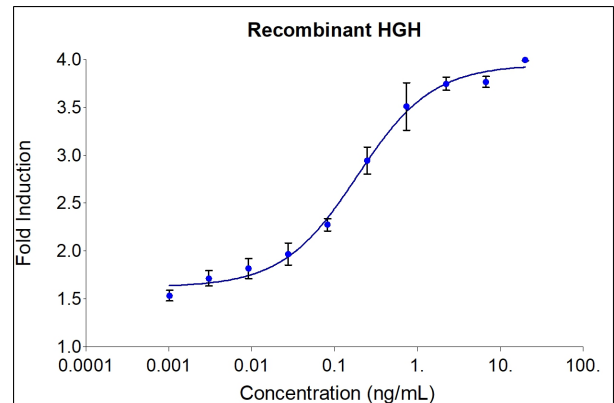
HEK293 expressed

Endotoxin-free

Animal-component free

## Technical Specifications

|                |   |
|----------------|---|
| Species        | human   |
| Expression     | HEK293  |
| Activity       | Typically $\leq 0.5$ ng/mL EC50                 |
| Purity         | >95%  |
| Endotoxin      | <1 EU/ $\mu$ g                                  |
| Molecular Mass | 22 kDa, monomer, non-glycosylated               |
| Formulation    | 1x PBS, See Certificate of Analysis for details |
| Gene ID        | 2688  |



The activity was determined by the dose-dependent stimulation of the proliferation of rat lymphoma line Nb2-11 cells (prolactin indicator cell line) using the Promega CellTiter96<sup>®</sup> Aqueous Non-Radioactive Cell Proliferation Assay.

## Reconstitution Buffer

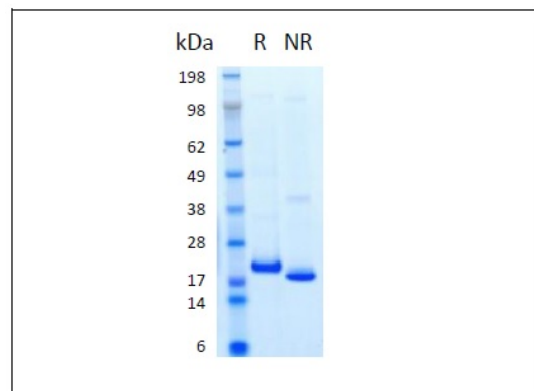
Briefly centrifuge the vial before opening. It is recommended to reconstitute the protein in sterile 1xPBS containing 0.1% endotoxin-free recombinant human serum albumin (HSA).

## Stability and Storage

Lyophilized proteins are stable for 1 year from the date of receipt if stored between (-20°C) and (-80°C). Upon reconstitution we recommend that the solution can be stored at (4°C) for short term or at (-20°C) to (-80°C) for long term. Repeated freeze thaw cycles should be avoided with reconstituted products.

## Product Description

Animal-free Recombinant Human Human Growth Hormone (HGH) is expressed in human 293 cells with an apparent molecular mass of 22 kDa. It is also known as somatotropin and is a pleiotropic cytokine of the hematopoietic growth factor superfamily. The purity is greater than 95%. It is known primarily for its role in stimulating the development and differentiation of muscle, bone, and cartilage. This cytokine is produced in a serum-free, chemically defined media.



The protein was resolved by SDS-polyacrylamide gel electrophoresis and the gel was stained with Coomassie blue.

## Synonyms

GH, GHN, GH1, GHN, Growth hormone, growth hormone 1, hGH N, Pituitary growth hormone, Somatotropin

For technical support and original validation data for this product please contact:

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