

Catalog Number: HZ-1007

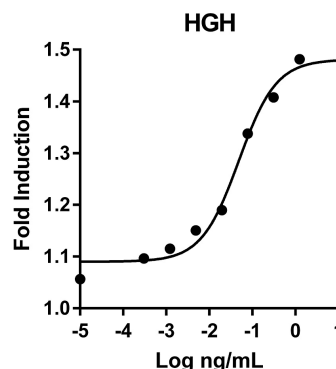
HEK293 expressed

Endotoxin-free

Animal-component free

Technical Specifications

| | |
|----------------|---|
| Species | Human |
| Expression | HEK293 |
| Activity | Typically ≤ 2 ng/mL EC50 |
| Purity | >95% |
| Endotoxin | <1 EU/ μ g |
| Molecular Mass | 22 kDa, monomer, non-glycosylated |
| Formulation | 1x PBS, See Certificate of Analysis for details |
| Gene ID | 2688 |



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).

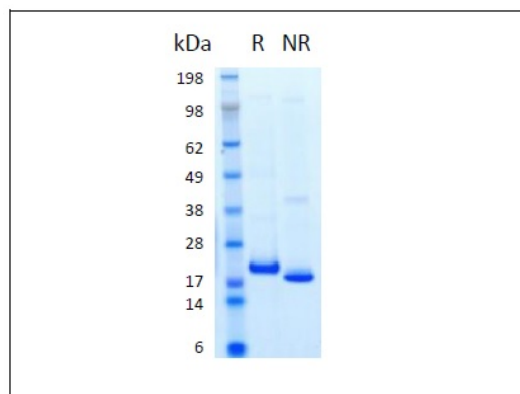
The activity was determined by the dose-dependent stimulation of the proliferation of rat lymphoma line Nb2-11 cells (prolactin indicator cell line) using the Promega CellTiter96[®] Aqueous Non-Radioactive Cell Proliferation Assay.

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. R represents reducing conditions and NR represents non-reducing conditions.

Synonyms

GH, GH N, 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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