



## *Recombinant Human Growth Hormone* **rHuGH, ultra-low endotoxin**

**Catalog number: HZ-6008**

**Lot: CHI-121407**

---

### *Specifications and Use*

- |                            |  |
|----------------------------|--|
| <b>Source</b>              | ● Yeast.   |
| <b>Molecular Mass</b>      | ● 22kDa.   |
| <b>Purity</b>              | ● > 97%, as determined by SDS-PAGE and HPLC method.  |
| <b>Biological Activity</b> | ● $\geq 2.5$ IU/mg   |
| <b>Endotoxin Level</b>     | ● Less than 0.005 EU/ $\mu$ g of rHuGH as determined by LAL method.  |
| <b>Formulation</b>         | ● Lyophilized from a 0.2 $\mu$ m filtered solution in PBS containing 50mg of human serum albumin per 1mg of cytokine.  |
| <b>Solubility</b>          | ● It is recommended to reconstitute the lyophilized rHuGH in sterile ddH <sub>2</sub> O containing at least 0.1% human serum albumin or bovine serum albumin to prepare a stock solution of no less than 100 $\mu$ g/ml.   |
| <b>Stability</b>           | ● Lyophilized samples are stable for greater than six months from date of receipt at -20 °C to -70 °C.<br>● Upon reconstitution, this cytokine can be stored under sterile conditions at 2-8 °C for one month or at -20 °C to -70 °C in a manual defrost freezer for three months without detectable loss of activity.<br>● Avoid repeated freeze-thaw cycles. |
| <b>Usage</b>               | ● FOR RESEARCH USE ONLY. NOT FOR HUMAN USE.  |

### ***Human Growth Hormone***

Human growth hormone is a kind of protein hormone produced by human pituitary anterior lobe. Its precursor is composed of 217 amino acid residue, including the signal peptide formed by the first 26 amino acid residue, and the other 191 amino acid residue to develop into mature protein. The protein has a molecular mass of approximately 22KD, containing two pairs of disulfide bonds at the positions of Cys79-Cys191 and Cys208-Cys215. It plays an important role in promoting the growth of cell, organs and skeletal, and it also has a close relationship with organ anabolism.