HumanKine™ Human Growth Hormone recombinant, expressed in HEK 293 cells

Catalog Number H5916
Storage Temperature –20 °C

Synonym: HGH

**Product Description**

HumanKine™ HGH is expressed as a non-glycosylated monomer in human 293 cells and has an apparent molecular mass of 22 kDa.

HGH is a member of the somatotropin/prolactin family of hormones. HGH is produced from the pituitary gland and is required for normal human growth and development. HGH modifies a variety of physiological functions by stimulating the expression of insulin-like growth factor I, and increases calcium retention and bone mineralization. HGH increases muscle mass, promotes lipolysis, and reduces liver uptake of glucose.

This product is lyophilized from a TBS solution.

ED$_{50}$: ≤4.0 ng/mL

The activity was determined by the dose-dependent stimulation of the proliferation of rat lymphoma line Nb2-11 cells (prolactin indicator cell line).

Purity: ≥95%

Endotoxin level: ≤1 EU/µg

**Precautions and Disclaimer**

This product is for R&D use only, not for drug, household, or other uses. Please consult the Material Safety Data Sheet for information regarding hazards and safe handling practices.

**Preparation Instructions**

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

**Storage/Stability**

Store the product at –20 °C. The lyophilized product remains active for one year at –20 °C.

Upon reconstitution, the cytokine can be stored at 2–8 °C for short term only, or at –20 °C to –80 °C in aliquots for long term. Avoid repeated freeze-thaw cycles.

**References**


HumanKine is a trademark of HumanZyme Inc.

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