

Active Recombinant Human GH Protein

Cat. No. GH-66H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human GH Protein was expressed in E. coli.
Species	Human
Source	E.coli
Form	Lyophilized from a 0.2 µ filtered solution in PBS, pH 7.0, containing 3 % Mannitol, 0.02 % Tween-20.
Bio-activity	Fully biologically active when compared to standard. The ED50 as determined by a cell proliferation assay using rat Nb2-11 lymphoma cells is less than 0.1 ng/ml, corresponding to a specific activity of $> 1.0 \times 10^7$ IU/mg.
Molecular Mass	Approximately 22 kDa, a single non-glycosylated polypeptide chain containing 191 amino acids.
AASequence	FPTIPLSRLF DNAMLRAHRL HQLAFDTYQE FEEAYIPKEQ KYSFLQNPQT SLCFSES IPT PSNREETQQK SNLELLRISL LLIQSWLEPV QFLRSVFANS LVYGASDSNV YDLLKDLEEG IQTLMGRLED GSPRTGQIFK QTYSKFDTNS HNDDALLKNY GLLYCFRKDM DKVETFLRIV QCRSVEGSCG F
Endotoxin	Less than 0.1 EU/g of rHuGH as determined by LAL method.
Purity	> 96 % by SDS-PAGE and HPLC analyses.

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Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. - 12 months from date of receipt, -20 to -70 °C as supplied. - 1 month, 2 to 8 °C under sterile conditions after reconstitution. - 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

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