

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: A01307H **Lot #:** 13C06722

Description: hGH, Recombinant
Human Growth Hormone (hGH), Recombinant

Recombinant Human growth hormone (hGH) is a single, non-glycosylated, polypeptide chain containing 191 amino acids. Molecular weight: 22kDa. The sequence of the protein is:
FPTIPLSRLF DNAMLRAHRL HQLAFDTYQE FEEAYIPKEQ KYSFLQNPQT SLCFSESIPT
PSNREETQK SNLELLRISL LLIQSWLEPV QFLRSVFANS LYGASDSNV YDLLKDLEEG
IQTLMGRLED GSPRTGQIFK QTYSKFDTNS HNDDALLKNY GLLYCFRKDM
DKVETFLRIV QCRSVEGSCG F.

Source: *E. coli*

Format: Purified, Lyophilized
Reconstitute using sterile deionized water to a concentration $\geq 100 \mu\text{g/mL}$. Further dilutions can be made in other aqueous buffers.

Purification: > 98% pure (RP-HPLC and SDS-PAGE). Purified by chromatographic techniques.
Product is sterile filtered.

Concentration: Specific Activity: 1.0×10^7 IU/mg

Buffer: Lyophilized from 20 mM Phosphate Buffer containing 3% Mannitol

Preservative: None

Applications: Specific methodologies have not been tested using this product.

Storage: The lyophilized product, though stable for 3 weeks at room temperature, is best stored at -20°C . After reconstitution, short term (up to 1 week) store at $2-8^\circ\text{C}$. Long term, add 0.1% HSA or BSA, aliquot and store at -20°C . Avoid multiple freeze/thaw cycles.

Inactivation: Not Applicable

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Quality Signature:



08 APR 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY