

Growth Hormone Protein, Human, Recombinant (His)

General Information

Synonyms:	GH-N;GHN;hGH-N;GH1;IGHD1B;GHB5;GH;growth hormone 1
Protein Construction:	A DNA sequence encoding the human GH1 (P01241) (Phe27-Phe217) was expressed with a polyhistidine tag at the N-terminus. Predicted N terminal: Pro
Species:	Human
Expression Host:	E. coli
Accession:	P01241
Molecular Weight:	24.7 kDa (predicted)

QC Testing

Biological Activity:	Measured by its ability to promote proliferation of INS-1 cells. The ED50 for this effect is typically 0.1-1 ng/mL.
Purity:	> 85 % as determined by SDS-PAGE.
Endotoxin:	Please contact us for more information.
Formulation:	Lyophilized from a solution filtered through a 0.22 µm filter, containing PBS, pH 7.4. Typically, a mixture containing 5% to 8% trehalose, mannitol, and 0.01% Tween 80 is incorporated as a protective agent before lyophilization.

Preparation and Storage

Reconstitution:
A Certificate of Analysis (CoA) containing reconstitution instructions is included with the products. Please refer to the CoA for detailed information.

Stability & Storage:

It is recommended to store recombinant proteins at -20°C to -80°C for future use. Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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