

## Growth Hormone Protein, Human, Recombinant

### General Information

Synonyms:	GHB5;GH-N;GH1;IGHD1B;hGH-N;GHN;Growth hormone 1;GH
Protein Construction:	A DNA sequence encoding the human GH1 (P01241) (Phe27-Phe217) was expressed. Predicted N terminal: Phe 27
Species:	Human
Expression Host:	E. coli
Accession:	P01241
Molecular Weight:	22.1 kDa (predicted)

### QC Testing

Biological Activity:	Measured by its ability to promote proliferation of INS-1 cells. The ED50 for this effect is 0.2-1 ng/mL.
Purity:	≥ 90 % as determined by SDS-PAGE. ≥ 90 % as determined by SEC-HPLC.
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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