

Product description

Human Growth hormone (hGH), is a peptide hormone which plays an important role in growth control. Its major role in stimulating body growth is to stimulate the liver and other tissues to secrete IGF-1. It stimulates both the differentiation and proliferation of myoblasts. It also stimulates amino acid uptake and protein synthesis in muscle and other tissues.

Synonyms: Somatotropin, Pituitary growth hormone



Product name Human Growth hormone



Catalog number GH596290

Uniprot ID P01241

Protein sequence

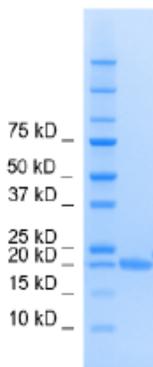
FPTIPLSRLFDNAMLRAHRLHQLAFDITYQEFEEAYIPKEQKYSFLQNPQTSLCFSESIPTSPNREETQQKSNLELLRISLLLIQSWLEPVQFLRSVF
ANSLVYGASDSNVYDLLKDLEEGIQTLMGRLDGSPTGQIFKQYTSKFDTNSHNDDALLKNYGLLYCFRKMDKVVETFLRIVQCRSVEGSCGF

Product features and protocols



Purity

>95%
as determined by SDS-PAGE



SDS-PAGE gel analysis of hGH protein in and Reducing/Heated conditions (RH)
Stained with Coomassie blue.

Other features

Predicted MW	22.0 kDa
Expression System	<i>E. coli</i>
Purification Tag	No tag
Protein content	Determined by BCA assay with BSA as standard
Formulation	Lyophilized from 10 mM Sodium phosphate pH 8.0, 4% Mannitol buffer

Product preparation

For product preparation we recommend the following steps:

1. Briefly centrifuge the tube before opening
2. Reconstitute by adding the appropriate volume of ultrapure water for a final concentration of 200 µg/ml (e.g. 50 µl for 10 µg or 250 µl for 50 µg conditioning)
3. Vortex gently to insure complete dissolution
4. Wait 15 minutes at room temperature before proceeding further
5. Vortex gently again and centrifuge **briefly**

Product storage

The product is lyophilized and shipped at room temperature. **Store at -80 °C upon receipt.**

After reconstitution, the protein can be preserved at 4°C for a few weeks.

Avoid multiple freeze-thaw cycles



The product is intended for research use only. Not for diagnostic or therapeutic use.