

Human GH1 / Growth hormone 1 (His Tag) recombinant protein



Catalog Number: 500188

General Information

Gene Name Synonym

Growth hormone; Growth hormone 1; Pituitary growth hormone

Protein Construction

A DNA sequence encoding the human GH1 (P01241) (Phe27-Phe217) was expressed with a polyhistidine tag at the N-terminus.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measured by its ability to promote proliferation of INS-1 cells.
The ED₅₀ for this effect is 0.3-1.2 ng/mL.

Purity

> 85 % as determined by SDS-PAGE.

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Pro

Molecular Mass

The recombinant human GH1 consists 212 amino acids and predicts a molecular mass of 24.7 kDa.

Formulation

Lyophilized from sterile PBS, pH 7.4.

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

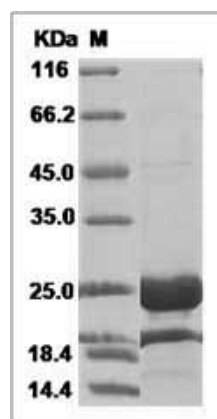
Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

SDS-PAGE



Human GH1 / Growth hormone 1 Protein (His Tag)
SDS-PAGE