

## Active Recombinant Human GH1 protein

Cat. No. GH1-770H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human GH1 protein(P01241)(Phe27-Phe217) was expressed in E. coli.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	Phe27-Phe217
<b>Form</b>	Lyophilized from sterile PBS, pH 7.4. Please contact us for any concerns or special requirements. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Please refer to the specific buffer information in the hard copy of CoA.
<b>Bio-activity</b>	Measured by its ability to promote proliferation of INS-1 cells. The ED50 for this effect is 0.2-1 ng/mL.
<b>Molecular Mass</b>	The recombinant human GH1 consists 191 amino acids and predicts a molecular mass of 22.1 kDa.
<b>Purity</b>	> 90 % as determined by SDS-PAGE.
<b>Storage</b>	Samples are stable for up to twelve months from date of receipt at -20°C to -80°C. 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.

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**Reconstitution** It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

**Gene Name** GH1 growth hormone 1 [ Homo sapiens ]

**Official Symbol** GH1

**Synonyms** GH1; growth hormone 1; somatotropin; GH; GH N; GHN; hGH N; pituitary growth hormone; GH-N; hGH-N; IGHD1B;

**Gene ID** 2688

**mRNA Refseq** NM\_000515

**Protein Refseq** NP\_000506

**MIM** 139250

**UniProt ID** P01241

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