

# Chicken Growth Hormone Recombinant Protein



RPPB0330

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## Product Information    Protein Information

**Product SKU:**

RPPB0330

**Accession:**

P08998

**Host:**

Escherichia Coli.

**Protein description:**

GH Chicken Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 191 amino acids with an additional Ala at its N-terminus and having a molecular mass of 22255 Dalton. GH Chicken recombinant is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

GH1, GH, GHN, GH-N, hGH-N, Pituitary GH, GH 1,

**Formulation:**

The protein was lyophilized from a concentrated (1mg/ml) solution with 0.3% NaHCO<sub>3</sub> adjusted to pH 8.

**Purity:**

Greater than 99.0% as determined by:(a) Analysis by SDS-PAGE gel.(b) Analysis by SEC-HPLC.

**Solubility:**

It is recommended to reconstitute the lyophilized GH Chicken Recombinant in sterile water or 0.4% NaHCO<sub>3</sub> adjusted to pH 8-9, not less than 100µg/ml and not more than 3 mg/ml, which can then be further diluted to other aqueous solutions, preferably in presence of carrier protein.

**Stability:**

Lyophilized GH Chicken although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution at > 0.1 mg/ml and filter sterilization GH can be stored at 4°C for several weeks. At lower concentration addition of a carrier protein (0.1% HSA or BSA) is recommended. Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Thr-Phe-Pro-Ala.

**Biological Activity:**

GH Chicken Recombinant is fully biologically active in homologous assays and in PDF-P1 3B9 cells stably transfected with rabbit GH receptors.