

## Chicken Growth Hormone

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

**PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING**

Size	Order #	Lot #	Expiry Date
20 µg	1445.940.020		
100 µg	1445.940.100		
1 mg	1445.940.199		

Please enquire for bulk quantities and other vial sizes

### 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.

- **Source** *E. Coli*
- **Purity** ≥ 99 % (SDS-PAGE, SEC-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein was lyophilized from a concentrated (1mg/ml) solution with 0.3% NaHCO<sub>3</sub> adjusted to pH 8\*
- **Physical state** Sterile filtered, lyophilized

### Biological Activity

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

### Reconstitution

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 avoid repeated 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.

**Usage:** For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

\*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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