

# Chicken Prolactin Recombinant Protein



RPPB0878

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## Product Information   Protein Information

**Product SKU:**

RPPB0878

**Accession:**

P14676

**Host:**

Escherichia Coli.

**Protein description:**

Prolactin Chicken Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 199 amino acids + an additional Ala at n-terminal and having a molecular mass of ~ 23 kDa. The Chicken Prolactin protein is purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered White lyophilized (freeze-dried) powder.

**Synonyms:**

Mamotropin, Luteotropic hormone, Luteotropin, PRL.

**Formulation:**

The protein was lyophilized from a concentrated (1mg/ml) solution with 0.02% NaHCO<sub>3</sub>.

**Purity:**

Greater than 95.0% as determined by gel filtration analysis.

**Solubility:**

It is recommended to reconstitute the lyophilized Prolactin in sterile 0.4% NaHCO<sub>3</sub> pH-8.5, not less than 100µg/ml, which can then be further diluted to other aqueous solutions.

**Stability:**

Lyophilized Prolactin although stable at room temperature for 3 weeks, should be stored desiccated below -18°C. Upon reconstitution Prolactin should be stored at 4°C between 2-7 days and for future use below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Amino Acid Sequence:**

The a.a. sequence of the first 6 N-terminal a.a was found to be Ala-Leu-Pro-Ile-Cys-Pro.

**Biological Activity:**

Chicken Prolactin was tested for its biological functionality in-vitro by inducing proliferation of Nb2 cells or Baf/3 cells that were stably transfected with Chicken Prolactin receptors.