

# Human Prolactin Recombinant Protein



RPPB0872

---

## Product Information   Protein Information

**Product SKU:**

RPPB0872

**Accession:**

P01236

**Host:**

Escherichia Coli.

**Protein description:**

Prolactin Human Recombinant Antagonist des 1-9, G129R produced in E.Coli is a single, non-glycosylated polypeptide chain containing 190 amino acids + an additional Ala at n-terminal and having a molecular mass of ~ 22 kDa. The Human Prolactin Antagonist 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 1st 6 N-terminal a.a. was found to be Ala-Arg-Ser-Gln-Val-Thr.

**Biological Activity:**

Human Prolactin Antagonist was tested for its biological functionality in-vitro by inducing proliferation of Nb2 cells or Baf/3 cells that were stably transfected with Human Prolactin receptors. Prolactin Antagonist also interacts at 1:1 molar ratio with human prolactin receptor extracellular domain as documented by SEC and SPR (Biacore analysis).