

Ovine Prolactin Recombinant Protein



RPPB0876

Product Information Protein Information

Product SKU:

RPPB0876

Accession:

P01240

Host:

Escherichia Coli.

Protein description:

Prolactin Ovine Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 199 amino acids and having a molecular mass of 23 kDa. The Prolactin n 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 0.02-0.03% NaHCO₃.

Purity:

Greater than 99.0% as determined by:(a) Gel filtration analysis.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Prolactin in sterile 18MΩ-cm H₂O or 0.4% NaHCO₃ adjusted to pH 8-9, 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 Prl 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 sequence of the first five N-terminal amino acids was determined and was found to be Ala-Thr-Pro-Val-Cys-Pro.

Biological Activity:

Is fully biologically active as evidenced by inducing proliferation of Nb2 cells.