

Rat Prolactin Recombinant Protein



RPPB0875

Product Information Protein Information

Product SKU:

RPPB0875

Accession:

P01237

Host:

Escherichia Coli.

Protein description:

Prolactin Rat Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 198 amino acids and having a molecular mass of 22.6 kDa. The Prolactin is purified by proprietary chromatographic techniques.

Appearance:

Sterile Filtered White lyophilized (freeze-dried) powder.

Synonyms:

Mamotropin, Luterotropic hormone, Lutetropin, PRL.

Formulation:

The protein was lyophilized from a concentrated (1mg/ml) solution with 10mM sodium Phosphate buffer pH=8 and 50mM NaCl.

Purity:

Greater than 95.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.

Solubility:

It is recommended to reconstitute the lyophilized Prolactin in sterile 18MΩ-cm H₂O 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 sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Pro-Val-Cys.

Biological Activity:

The ED₅₀ as determined by the dose-dependant stimulation of the proliferation of rat lymphoma, Nb2-11 was found to be < 0.065 ng/ml corresponding to a specific activity of 15,400,000 Units/mg.