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32-1686: raProlactin Recombinant Protein

Alternative Name : Mammotropin,Luteotropic hormone,Luteotropin,PRL.

Description

Source : Escherichia Coli. Prolactin Rabbit Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 200 amino acids and having a molecular mass of 23007 Dalton. The Porlactin is purified by proprietary chromatographic techniques. Prolactin is a neuroendocrine hormone synthesized primarily by the pituitary gland but also a variety of other cell types including the placenta, brain and uterus. Its primary function is to promote and maintain lactation but has also been shown to have a role in breast cancer development, regulation of reproductive function and immunoregulation.

Product Info

Amount :	50 µg
Purification :	Greater than 98.0% as determined by:(a) Analysis by SEC-HPLC.(b) Analysis by SDS-PAGE.
Content :	The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO3.
Storage condition :	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 :	The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Leu-Pro-Ile-Cys.

Application Note

It is recommended to reconstitute the lyophilized Prolactin in sterile 18MÃ□Â©-cm H2O not less than 100Ã□Âµg/ml, which can then be further diluted to other aqueous solutions. The ED50 as determined by the dose-dependant stimulation of the proliferation of rat lymphoma, Nb2-11 was found to be < 0.065ng/ml.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.