

Rabbit Prolactin

Synonyms: Mamotropin, Luteotropic hormone, Luteotropin, PRL.

PLEASE NOTE: ALWAYS CENTRIFUGE VIAL BEFORE OPENING

Size	Order #	Lot #	Expiry Date
10 µg	1830.900.010		
50 µg	1830.900.050		
1 mg	1830.900.199		

Please enquire for bulk quantities and other vial sizes

Description

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.

- **Source** *E. Coli*
- **Purity** ≥ 98 % (SDS-PAGE, SEC-HPLC)
- **Endotoxin level** ≤ 0.1ng/µg (≤ 1EU/µg)
- **Buffer** The protein was lyophilized from a concentrated (1mg/ml) solution with 0.0045mM NaHCO₃*
- **Physical state** Sterile filtered, lyophilized

Biological Activity

The ED₅₀ as determined by the dose-dependant stimulation of the proliferation of rat lymphoma, Nb2-11 was found to be < 0.065ng/ml.

Reconstitution

We recommend a quick spin followed by reconstitution in sterile water to a concentration of at least 100 µg/ml, which can then be further diluted to other aqueous solutions. Do not vortex.

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 avoid repeated freeze-thaw cycles.**

Amino Acid Sequence

The sequence of the first five N-terminal amino acids was determined and was found to be Ala-Leu-Pro-Ile-Cys.

Usage: For research use only. Not for use in diagnostic or therapeutic procedures. Not for human use.

*The Buffer may vary depending on the Lot #. Please contact our technical support if you have specific requirements.

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