

**Prolactin, rat recombinant protein****Mammothropin, Luterotropic hormone, Lutetropin, Prlr, PRL, luteotropic hormone, LTH, PRLR, PRL-R, PRL****Catalog # PBV10354r****Specification**

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**Prolactin, rat recombinant protein - Product info**

Primary Accession [P01237](#)  
Calculated MW **22.5 kDa KDa**

**Prolactin, rat recombinant protein - Additional Info**

Gene ID **24683**  
Gene Symbol **PRL**

**Other Names**

Mammothropin, Luterotropic hormone, Lutetropin, Prlr, PRL, luteotropic hormone, LTH, PRLR, PRL-R, PRL R

Gene Source **Rat**  
Source **E. coli**  
Assay&Purity **SDS-PAGE; ≥95%**  
Assay2&Purity2 **HPLC; ≥95%**  
Recombinant **Yes**  
Results **0.1-1.0 ng/ml**

**Application Notes**

Reconstitute in H<sub>2</sub>O to a concentration of 1.0 mg/ml. This solution can then be diluted into other aqueous buffers

**Format**

Lyophilized protein

**Storage**

-20°C; Sterile filtered and lyophilized from 10 mM Sodium Phosphate, pH 8.0 + 50 mM NaCl.

**Prolactin, rat recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**Prolactin, rat recombinant protein - Images**

**Prolactin, rat recombinant protein - Background**

Prolactin (also known as mammotrophin, luterotropic hormone, and lutetropin) is a neuroendocrine hormone secreted by the pituitary gland. Its primary function is to promote and maintain lactation during pregnancy and suckling. In addition, Prolactin plays an immune-regulatory role by stimulating the activities of ornithine decarboxylase and protein kinase C, which are important for the proliferation, differentiation, and function of lymphocytes. Recombinant murine Prolactin is a 22.5 kDa globular protein containing 198 amino acid residues.

**Prolactin, rat recombinant protein - References**

Cooke N.E.,et al.Nature 297:603-606(1982).  
Gubbins E.J.,et al.J. Biol. Chem. 255:8655-8662(1980).  
Cooke N.E.,et al.J. Biol. Chem. 255:6502-6510(1980).  
Shaw-Bruha C.M.,et al.Submitted (OCT-1997) to the EMBL/GenBank/DDBJ databases.  
McKean D.J.,et al.Biochemistry 17:5215-5219(1978).