

**Product:** Prolactin, Human, Recombinant  
**Catalog #:** 11-PRL-H  
**Amount:** 10 µg

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**DESCRIPTION:** Recombinant Human Prolactin (rHuPrl)  
rHuPrl is a single, non-glycosylated polypeptide chain containing 200 amino acids and having a molecular mass of 23007 Dalton  
The sequence of the first five N-terminal amino acids was determined and was found to be Met-Leu-Pro-Ile-Cys

**SOURCE:** *E.Coli* Expression System

**PURITY:** Greater than 95.0% as determined by:  
(a) Analysis by RP-HPLC.  
(b) Anion-exchange FPLC.  
(c) Analysis by reducing and non-reducing SDS-PAGE Silver-Stained gel.

**ENDOTOXIN:** Less than 0.1 ng/µg (IEU/µg) of rHuPrl

**DIMERS & AGREGATES:** Less than 1% as determined by silver-stained SDS-PAGE gel analysis

**FORM:** Purified

**PROTEIN CONTENT:** Protein quantitation was carried out by two independent methods:  
1. UV spectroscopy at 280 nm  
2. Analysis by RP-HPLC, using a calibrated solution of human Prolactin as a Reference Standard.

**STORAGE:** -20°C (aliquot), avoid repeated freeze and thaw cycles.

**BIOLOGICAL ACTIVITY:** rHuPrl is fully biologically active when compared to standards  
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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

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