



## Prolactin, His Tag, human recombinant (rHuPrl-His)

**Catalog No:** 95025  
**Lot No:** XXXXX  
**Source:** *E. coli*  
**Synonyms:** Mamotropin, Luteotropic hormone, Luteotropin, PRL

### Background

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.

### Description

Prolactin human recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 199 amino acids (29-227) and having a molecular mass of 23 kDa. Prolactin is fused with an N-terminal hexahistidine tag and purified by proprietary chromatographic techniques.

### Physical Appearance

Sterile filtered clear solution.

### Formulation

Prolactin His is supplied in 1x PBS and 50% glycerol.

### Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

### Purity

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

### Usage

**This product is offered by Biomol for research purposes only. Not for diagnostic purposes or human use. It may not be resold or used to manufacture commercial products without written approval of Biomol GmbH.**