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Certificate of Analysis and Data Sheet

Recombinant Human Prolactin, His-tagged

Catalog No.
228-11324

Source
Escherichia Coli

Synonyms

Mamotropin, Luterotrophic hormone, Lutetropin, PRL.

Introduction:

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-His Human Recombinant produced in *E. coli* is a single, non-glycosylated polypeptide chain containing 199 amino acids fragment (29-227) and having a molecular mass of 23 kDa with an amino-terminal hexahistidine tag.

The Prolactin is 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 prevent freeze-thaw cycles.

Purity

Greater than 95.0% as determined by

- (a) Analysis by RP-HPLC.
- (b) Analysis by SDS-PAGE.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**