



California Bioscience

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Product Datasheet

Product Name	Prolactin Human Recombinant, His Tag
Cata No	CB500395
Source	<i>Escherichia Coli.</i>
Synonyms	Mammothropin, Luteotropic hormone, Luteotropin, PRL

Description

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. 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.

Purity

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

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.

*** For Non-Clinical Research Use Only ***