

Recombinant Human Prolactin, His-tagged

Cat. No. PRL-57H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Prolactin-His produced in <i>E. Coli</i> 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.
Species	Human
Source	E.coli
Protein Length	29-227 a.a.
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.
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 1 x PBS and 50% glycerol.
Storage	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for

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longer periods of time. Please avoid freeze thaw cycles.

GENE INFORMATION

Gene Name	PRL prolactin [Homo sapiens]
Synonyms	PRL; prolactin; OTTHUMP00000017727
Gene ID	5617
mRNA Refseq	NM_000948
Protein Refseq	NP_000939
MIM	176760
UniProt ID	P01236
Chromosome Location	6p22.2-p21.3
Pathway	Cytokine-cytokine receptor interaction; Jak-STAT signaling pathway; Neuroactive ligand-receptor interaction
Function	hormone activity; prolactin receptor binding

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**Structure of the
hormone prolactin**



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