

Recombinant Human Prolactin

Cat. No. PRL-2715H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Prolactin is expressed in <i>Pichia pastoris</i> .
Species	Human
Source	P.pastoris
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.
Product Presentation	Single homogenous batch supplied lyophilised from 50mM NH ₄ HCO ₃ . May contain traces of buffer salts.
Starting Material	Expressed from <i>Pichia pastoris</i> . NTerminal sequence confirms first eight amino acids as: YLPICPGG.
Purity	Nominally greater than 98% of the protein is Prolactin.
Reconstitution	Use of a pH neutral buffer is recommended.
Storage	Store at 2-8°C (short term). Store <-15°C (long term).

GENE INFORMATION

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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

Structure of the hormone prolactin.

