

Recombinant Human PRL

Cat. No. PRL-40H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PRL was produced from yeast.
Species	Human
Source	Yeast
Description	Luteotropic hormone is a peptide hormone discovered by Dr. Henry Friesen, primarily associated with lactation. In breastfeeding, the act of an infant suckling the nipple stimulates the production of prolactin, which fills the breast with milk via a process called lactogenesis, in preparation for the next feed. Oxytocin, another hormone, is also released, which triggers milk let-down. Prolactin (PRL) is a peptide hormone primarily associated with lactation. In breastfeeding, the infant suckling the teat stimulates the production of prolactin, which fills the breast with milk (lactogenesis) in preparation for the next feed. Oxytocin, a similar hormone, is also released, which triggers milk let-down. Prolactin (PRL) is a polypeptide hormone secreted by anterior pituitary of both male and female.
Form	Lyophilized from sterile 20mM PB, 240mM NaCl, pH 6.0.
Molecular Mass	26.4kDa
Endotoxin	< 1.0 eu per µg of the protein as determined by the LAL method.
Purity	>95 % as determined by SDS-PAGE

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Applications	Western blotting, ELISA
Storage	Store it under sterile conditions at -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. Samples are stable for up to twelve months from date of receipt at -80°C.
GENE INFORMATION	
Gene Name	PRL prolactin [Homo sapiens]
Official Symbol	PRL
Synonyms	PRL; prolactin; decidual prolactin;
Gene ID	5617
mRNA Refseq	NM_000948
Protein Refseq	NP_000939
MIM	176760
UniProt ID	P01236
Chromosome Location	6p22.2-p21.3
Pathway	Amyloids, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Disease, organism-specific biosystem; ErbB4 signaling events, organism-specific

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biosystem; Glucocorticoid receptor regulatory network, organism-specific biosystem;

Function

hormone activity; prolactin receptor binding;

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