

## Recombinant Human PRL

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

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human PRL was produced from yeast.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>Description</b>	<p>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.</p>
<b>Form</b>	Lyophilized from sterile 20mM PB, 240mM NaCl, PH6.0.
<b>Molecular Mass</b>	26.4kDa
<b>Endotoxin</b>	< 1.0 eu per µg of the protein as determined by the LAL method.
<b>Purity</b>	>95 % as determined by SDS-PAGE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Applications</b>	Western blotting, ELISA
<b>Storage</b>	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.
<b>GENE INFORMATION</b>	
<b>Gene Name</b>	PRL prolactin [ Homo sapiens ]
<b>Official Symbol</b>	PRL
<b>Synonyms</b>	PRL; prolactin; decidual prolactin;
<b>Gene ID</b>	5617
<b>mRNA Refseq</b>	NM_000948
<b>Protein Refseq</b>	NP_000939
<b>MIM</b>	176760
<b>UniProt ID</b>	P01236
<b>Chromosome Location</b>	6p22.2-p21.3
<b>Pathway</b>	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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



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

**Function**

hormone activity; prolactin receptor binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA