

# Active Recombinant Human PRL Protein, Fc-Avi-tagged, Biotinylated

**Cat. No.** PRL-460H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Human Prolactin, Fc Tag, Avi Tag is expressed from HEK293 cells. It contains AA Leu 29 - Cys 227 (Accession # Q5THQ0-1). This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag.
<b>Source</b>	HEK293
<b>Species</b>	Human
<b>Tag</b>	Fc-Avi
<b>Predicted N Terminal</b>	Leu 29
<b>Form</b>	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, 25 mM Arg, 150 mM NaCl, pH7.5, 10% trehalose.
<b>Bio-activity</b>	Immobilized Human Prolactin R / PRLR Protein, Fc Tag at 5 ug/mL (100 uL/well) can bind Biotinylated Human Prolactin, Fc Tag, Avi Tag with a linear range of 5-156 ug/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 51.2 kDa. The protein migrates as 57-66 kDa under reducing condition (SDS-PAGE) due to glycosylation.
<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

1/2

For Research Use Only

<b>Characteristic</b>	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
<b>Reconstitution</b>	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

## GENE INFORMATION

<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

 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

2/2