

## 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

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|-----------------------|--|
| <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                              |

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