

## Recombinant Goat PROLACTIN Protein, His-tagged

**Cat. No.** PROLACTIN-1196G    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Goat PROLACTIN Protein (Thr31-Cys229) with His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Species</b>          | Goat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>ProteinLength</b>    | Thr31-Cys229                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Description</b>      | Predicted to enable hormone activity. Acts upstream of or within ion homeostasis; multicellular organismal response to stress; and negative regulation of apoptotic process. Predicted to be located in extracellular region. Predicted to be active in extracellular space. Is expressed in adenohypophyseal placode; female organism; hypophysis; male organism; and peptide hormone secreting cell. Human ortholog(s) of this gene implicated in carotid artery disease. Orthologous to human PRL (prolactin). |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 26.4 kDa; Accurate Molecular Mass: 26 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Purity</b>           | > 95%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

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|-----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Stability</b>      | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.                                                                                                                                                                                                                 |
| <b>Storage Buffer</b> | 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.                                                                                                                                                                                                                                          |
| <b>Reconstitution</b> | Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.                                                                                                                                                                                                                                            |

## GENE INFORMATION

|                        |                                                                                    |
|------------------------|------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PROLACTIN PROLACTIN protein [ <i>Capra hircus</i> (goat) ]                         |
| <b>Official Symbol</b> | PROLACTIN                                                                          |
| <b>Synonyms</b>        | PROLACTIN; PROLACTIN protein; PRL; prolactin                                       |
| <b>Gene ID</b>         | 100861193                                                                          |
| <b>mRNA Refseq</b>     | NM_001285547                                                                       |
| <b>Protein Refseq</b>  | NP_001272476                                                                       |
| <b>UniProt ID</b>      | <a href="http://www.uniprot.org/uniprot/Q28318">www.uniprot.org/uniprot/Q28318</a> |

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