

## Recombinant Rat Prolactin

#R00486

Size: 10 µg/100 µg/500 µg

### Stability & Storage

- Use a manual defrost freezer and avoid repeated freeze-thaw cycles.
- 12 months from date of receipt, -20 to -70 °C as supplied.
  - 1 month, 2 to 8 °C under sterile conditions after reconstitution.
  - 3 months, -20 to -70 °C under sterile conditions after reconstitution.



**Warning:** This product is intended for scientific research only. It is not to be used for medical or diagnostic procedures in humans or animals, nor as a food, cosmetic, or household product.

### AA Sequence

LPVCSGGDCQTPLPELFDRVVMLSHYIHTLYTDMFIE  
FDKQYVQDREFIAKAINDCPTSSLATPEDKEQAQKVP  
PEVLLNLILSLVHSWNDPLFQLITGLGGIHEAPDAISR  
AKEIEEQNKRLLEGIEKIISQAYPEAKGNEIYLVWSQLP  
SLQGVDEESKDLAFYNNIRCLRRDSHKVDNYLKFLR  
CQIVHKNNC

### Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute in sterile distilled water or aqueous buffer containing 0.1 % BSA to a concentration of 0.1-1.0 mg/mL. Stock solutions should be apportioned into working aliquots and stored at ≤ -20 °C. Further dilutions should be made in appropriate buffered solutions.

### Product Specification

|                     |                                                                                                                                                                                                                                             |
|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Accession           | P01237                                                                                                                                                                                                                                      |
| GeneID              | 24683                                                                                                                                                                                                                                       |
| Species             | Rat                                                                                                                                                                                                                                         |
| Source              | Escherichia coli.                                                                                                                                                                                                                           |
| Molecular Weight    | Approximately 22.6 kDa, a single non-glycosylated polypeptide chain containing 197 amino acids.                                                                                                                                             |
| Purity              | > 98 % by SDS-PAGE and HPLC analyses.                                                                                                                                                                                                       |
| Biological Activity | Fully biologically active when compared to standard. The ED <sub>50</sub> as determined by a cell proliferation assay using rat Nb2-11 cells is less than 1.0 ng/ml, corresponding to a specific activity of > 1.0 × 10 <sup>6</sup> IU/mg. |

|                                 |                                                                                                                                    |
|---------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| Physical Appearance Formulation | Sterile Filtered White lyophilized (freeze-dried) powder. Lyophilized from a 0.2 µm filtered concentrated solution in PBS, pH 7.4. |
| Endotoxin                       | Less than 0.1 EU/µg of rRtProlactin as determined by LAL method.                                                                   |