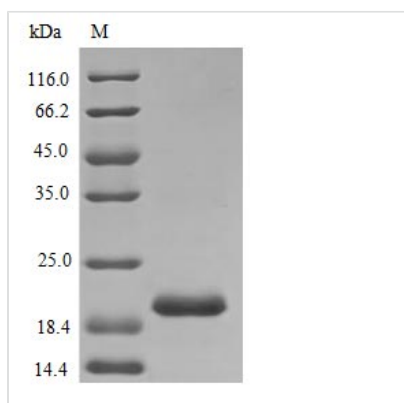




# Recombinant Rat Prolactin protein (Prl) (Active)

|                            |   |
|----------------------------|---|
| <b>Product Code</b>        | CSB-AP000081RA  |
| <b>Abbreviation</b>        | Recombinant Rat Prl protein (Active)  |
| <b>Uniprot No.</b>         | P01237  |
| <b>Form</b>                | Lyophilized powder  |
| <b>Storage Buffer</b>      | Lyophilized from a 0.2 μm filtered PBS, pH 7.4  |
| <b>Product Type</b>        | Hormone   |
| <b>Immunogen Species</b>   | Rattus norvegicus (Rat)   |
| <b>Biological Activity</b> | Fully biologically active when compared to standard. The ED50 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 >1.0x10 <sup>6</sup> IU/mg.      |
| <b>Purity</b>              | ≥98% as determined by SDS-PAGE.   |
| <b>Sequence</b>            | LPVCSGGDCQ TPLPELFDRV VMLSHYIHTL YTDMFIEFDK QYVQDREFIA<br>KAINDCPTSS LATPEDKEQA QKVPPEVLLN LILSLVHSWN DPLFQLITGL<br>GGIHEAPDAI ISRAKEIEEQ NKRLLEGIEK IISQAYPEAK GNEIYLWWSQ<br>LPSLQGVDEE SKDLAFYNNI RCLRRDSHKV DNYLKFLRCQ IVHKNNC |
| <b>Research Area</b>       | Signal Transduction   |
| <b>Source</b>              | E.Coli  |
| <b>Target Names</b>        | Prl   |
| <b>Expression Region</b>   | 30-226aa  |
| <b>Notes</b>               | Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.   |
| <b>Tag Info</b>            | Tag-Free  |
| <b>Mol. Weight</b>         | 22.6 kDa  |
| <b>Protein Length</b>      | Full Length of Mature Protein   |
| <b>PubMed ID</b>           | 6283362; 6251061; 6993473; 728396; 925136   |

## Image



**Endotoxin**

Less than 1.0 EU/ $\mu$ g as determined by LAL method.

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.