

## Prolactin Active Protein | PRL active protein

Prolactin protein

|                              |                      |
|------------------------------|----------------------|
| CATALOG #<br><b>AAA75435</b> | HOST<br><b>Human</b> |
|------------------------------|----------------------|

### PRODUCT SYNONYMS

Prolactin; Prolactin protein; Luterotropic hormone protein; Mammotropin protein; Lutetropin protein; PRL active protein

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Host                    | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Purity/Purification     | > 98% pure                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Form/Format             | Lyophilized from 10mM Na3PO4, pH 8.0, with 50mM NaCl. Reconstitute with water.                                                                                                                                                                                                                                                                                                                                                                                                              |
| Sequence                | RegionofPr olactinpro teincorres pondingtoa minoacidsM LPICPGGAAR CQVTLRDLFD RAVVLSHYIH NLSSEMFSEF DKRYTHGRGF ITKAINSCHT SSLATPEDKE QAQQMNQKDF LSLIVSILRS WNEPLYHLVT EVRGMQEAP EAILS KAVEIE EQTKRLLEGM ELIVSQVHPE TKENEIYPVW SGLPSLQMAD EESRLSAYYN LLHCLRRDSH KIDNYLKLLK CRIIHNNNC.                                                                                                                                                                                                         |
| Sequence Length         | 220                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Protein Type            | Recombinant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Biological Significance | Prolactin is a neuroendocrine hormone secreted by the pituitary gland. Its primary function is to promote and maintain lactation during pregnancy and suckling. In addition, Prolactin plays an immune-regulatory role by stimulating the activities of ornithine decarboxylase and protein kinase C, which are important for the proliferation, differentiation, and function of lymphocytes. Recombinant human Prolactin is a 23 kDa globular protein containing 200 amino acid residues. |
| Bioactivity             | Determined by its ability to induce the proliferation of rat Nb2-11 cells in the concentration range of 0.1-1.0 ng/ml.                                                                                                                                                                                                                                                                                                                                                                      |
| Endotoxin Levels        | Endotoxin level is less than 0.1 ng per ug (1 EU/ug).                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Expression System       | E Coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Preparation and Storage | Store at 4 degree C until reconstitution. Following reconstitution aliquot and freeze at -20 degree C for long term storage. Avoid repeated freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                             |

### ADDITIONAL INFORMATION

|                                                    |                                              |
|----------------------------------------------------|----------------------------------------------|
| Related Product Information for PRL active protein | Purified recombinant Human Prolactin protein |
| Product Categories/Family for PRL active protein   | <a href="#">Hormones &amp; Steroids</a>      |

### NCBI AND UNIPROT INFORMATION

|                     |                                                                          |
|---------------------|--------------------------------------------------------------------------|
| NCBI GI #           | 531103                                                                   |
| NCBI GeneID         | 5617                                                                     |
| UniProt Accession # | <a href="#">P01236</a> ; <a href="#">Q15199</a> ; <a href="#">Q92996</a> |
| Molecular Weight    | 23 kDa                                                                   |

|                                  |            |
|----------------------------------|------------|
| NCBI Official Full Name          | prolactin  |
| NCBI Official Synonym Full Names | prolactin  |
| NCBI Official Symbol             | PRL        |
| NCBI Protein Information         | prolactin  |
| UniProt Protein Name             | Prolactin  |
| UniProt Gene Name                | <b>PRL</b> |
| UniProt Synonym Gene Names       | PRL        |
| UniProt Entry Name               | PRL_HUMAN  |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | [contact@aaabiotech.com](mailto:contact@aaabiotech.com)  
Online datasheet: <https://stage.aaabiotech.com/human-active-protein/prolactin/75435>