

Product datasheet for **TP726863**

Prolactin (PRL) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant Human PRL |
| Species: | Human |
| Expression cDNA Clone or AA Sequence: | Leu29-Cys227 |
| Buffer: | Lyophilized from a 0.2 um filtered solution of 20mM PB,150mM NaCl,1mM EDTA,pH7.4. |
| Note: | Recombinant Human Prolactin is produced by our E.coli expression system and the target gene encoding Leu29-Cys227 is expressed. |
| Storage: | Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. |
| Stability: | 12 months from date of despatch |
| Locus ID: | 5617 |
| UniProt ID: | P01236 |
| Synonyms: | Prolactin; PRL |
| Summary: | Prolactin (PRL) is a secreted neuroendocrine pituitary hormone that acts primarily on the mammary gland to promote lactation, but has pleiotropic effects in both males and females. Non-glycosylated prolactin is produced by the pituitary and packaged in storage granules before secretion, while glycosylated prolactin is reported to be constitutively secreted, have lower biological potency, and be removed from the circulation more quickly. Prolactin expression is low during early human pregnancy, but increases in late pregnancy. In addition to its lactogenic activity, peripherally produced prolactin plays roles in breast and prostate cancer development, regulation of reproductive function, and immunoregulation. |
| Protein Families: | Druggable Genome, Secreted Protein |
| Protein Pathways: | Cytokine-cytokine receptor interaction, Jak-STAT signaling pathway, Neuroactive ligand-receptor interaction |



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